

FIG - 1/38

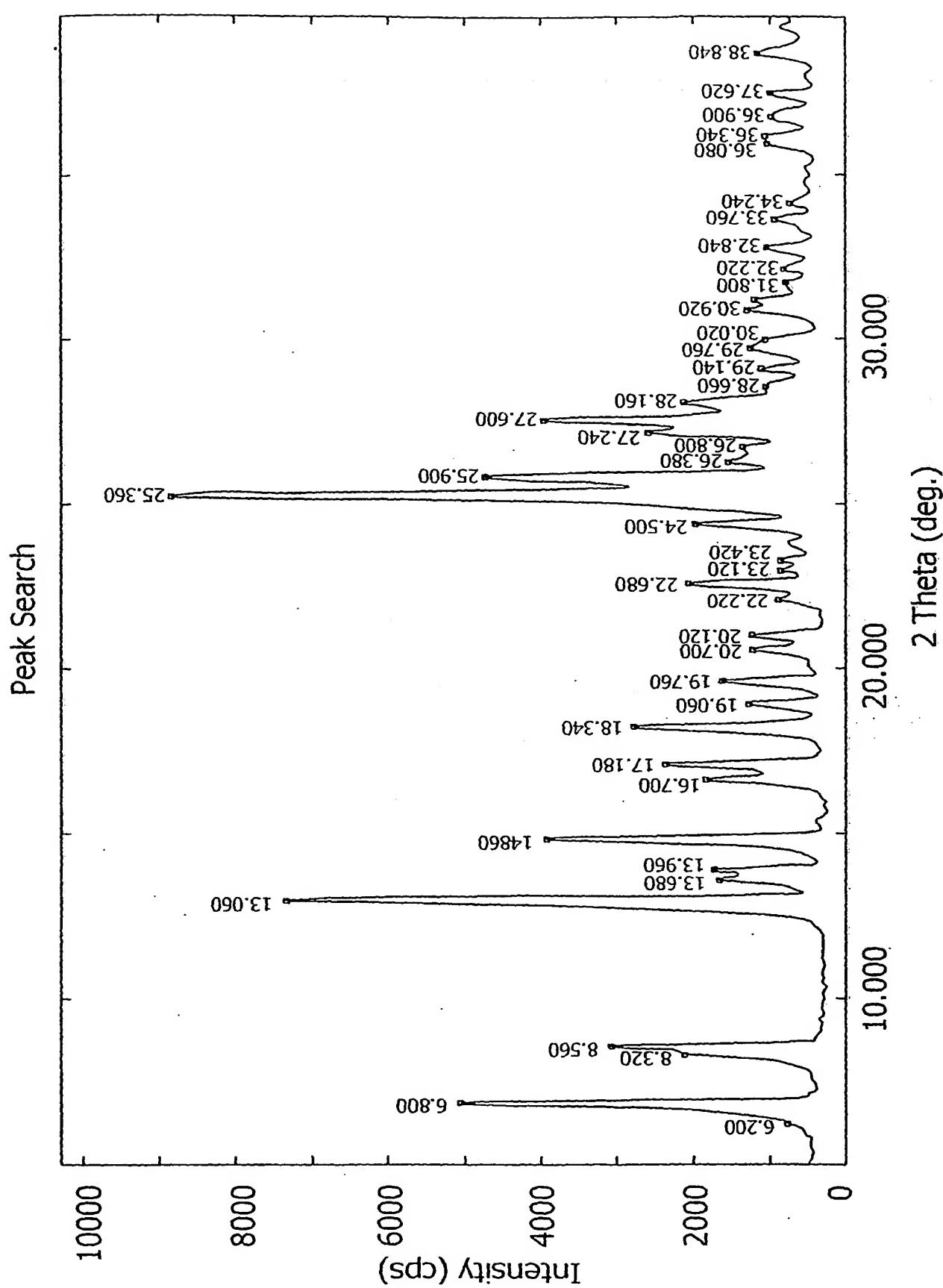


FIG - 2/38

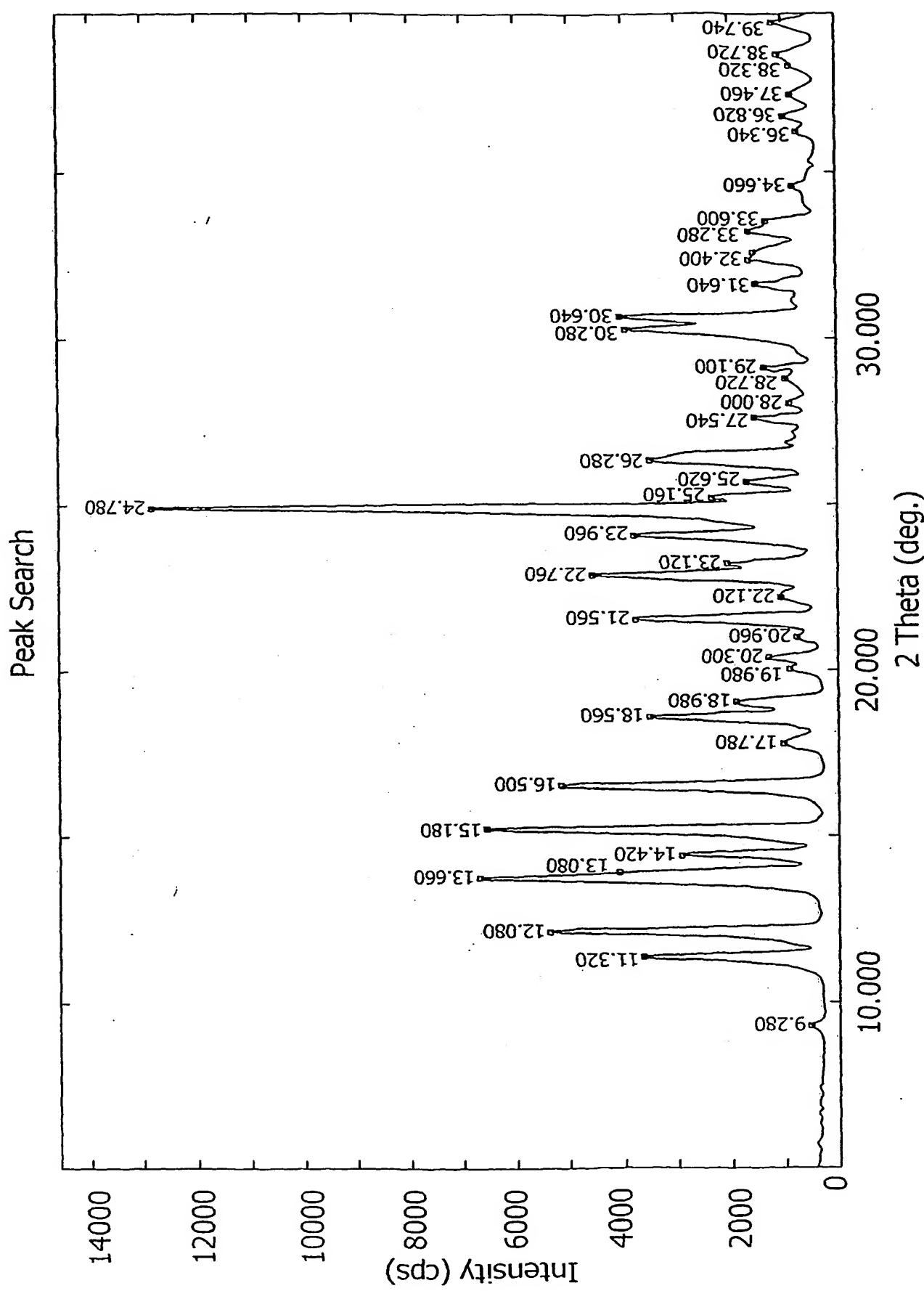
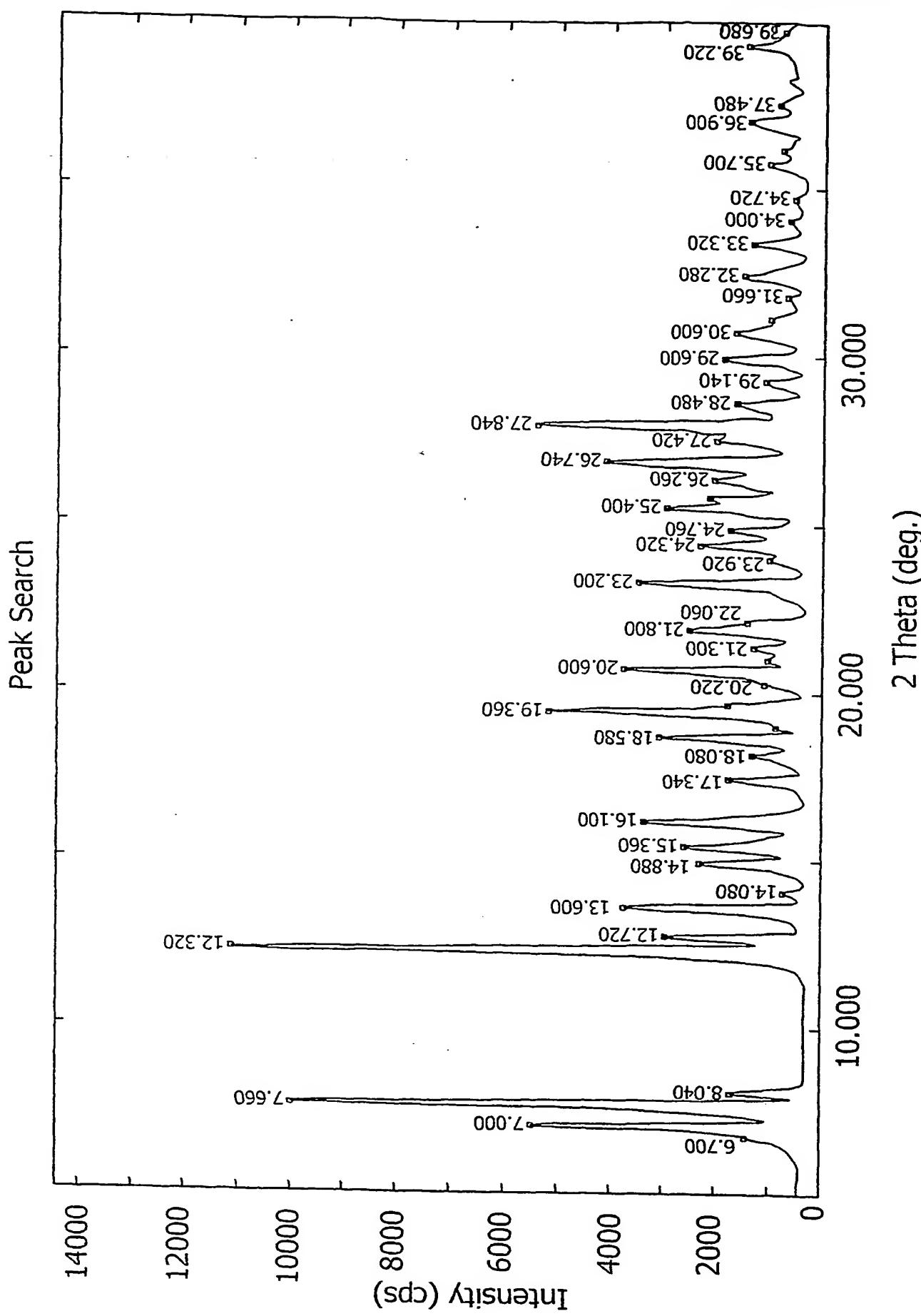
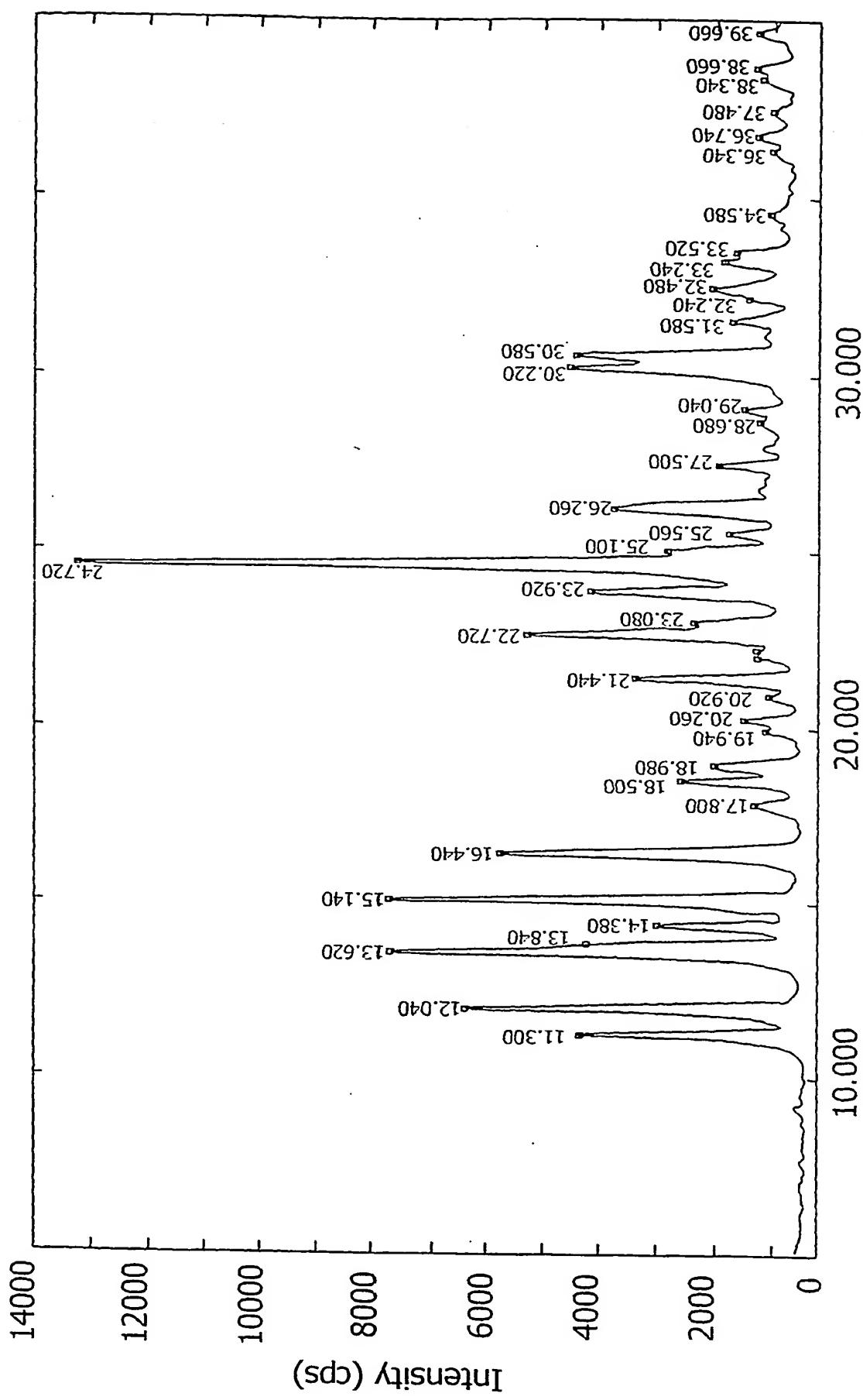


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2 Theta (deg.)

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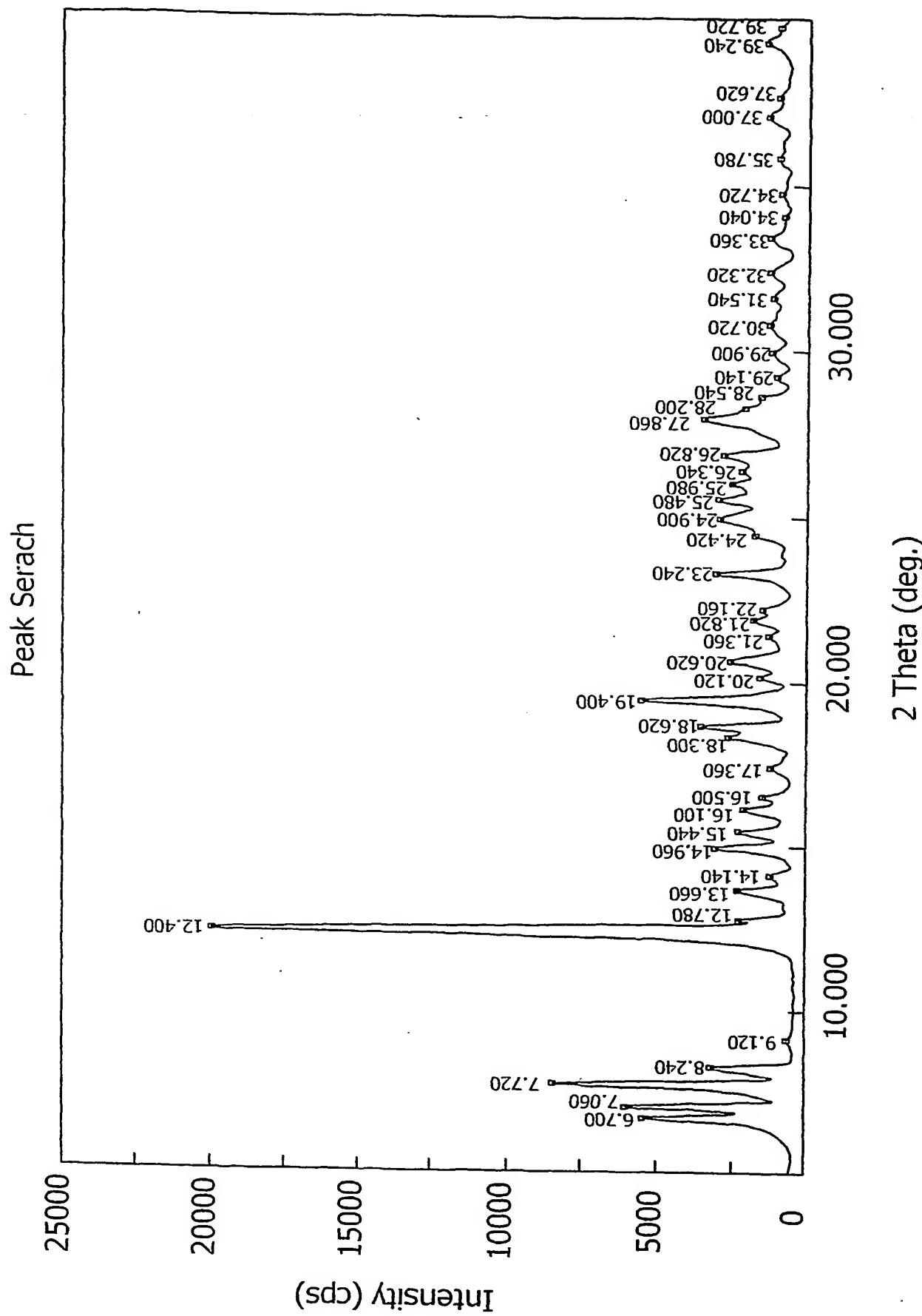


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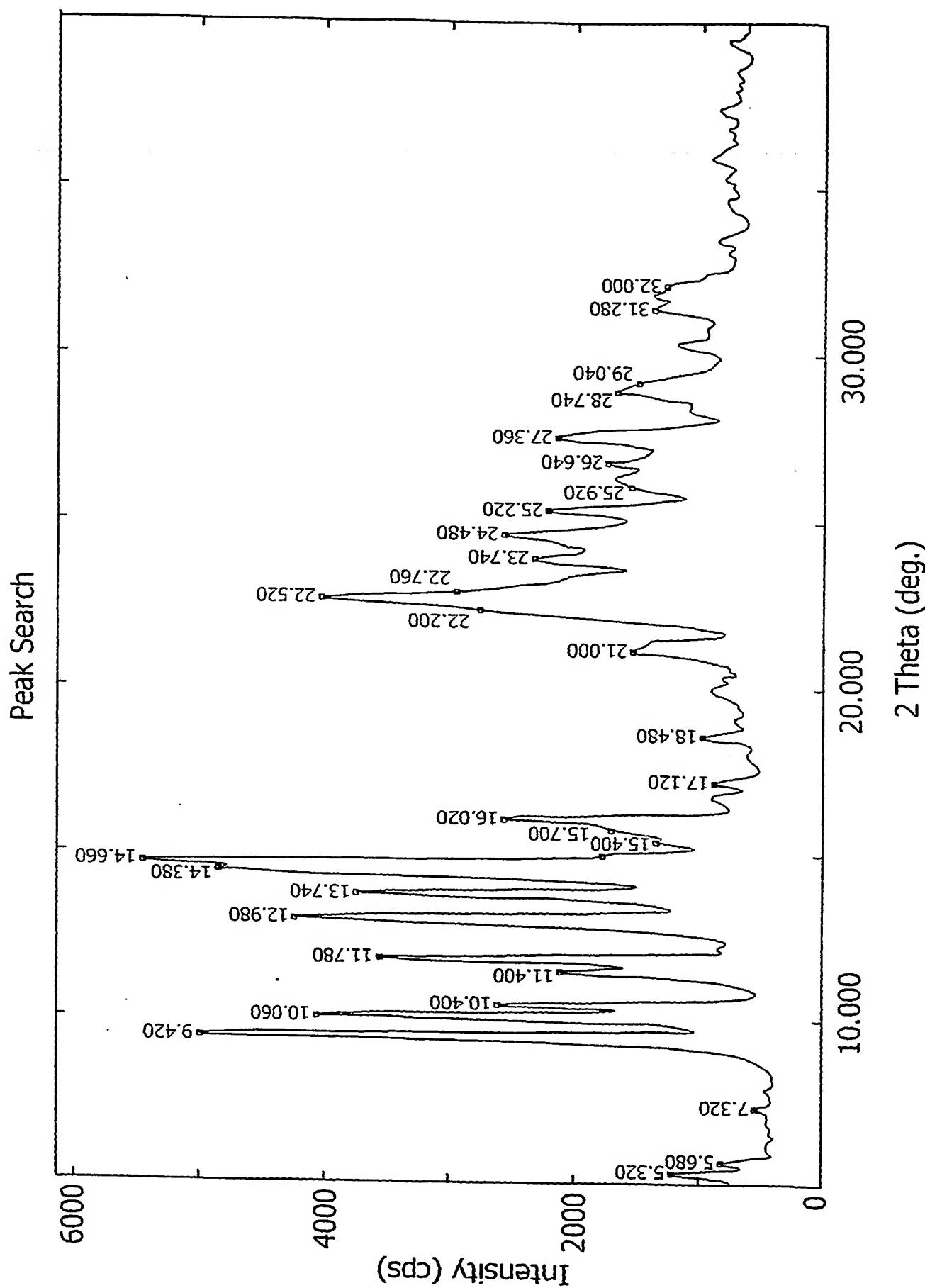
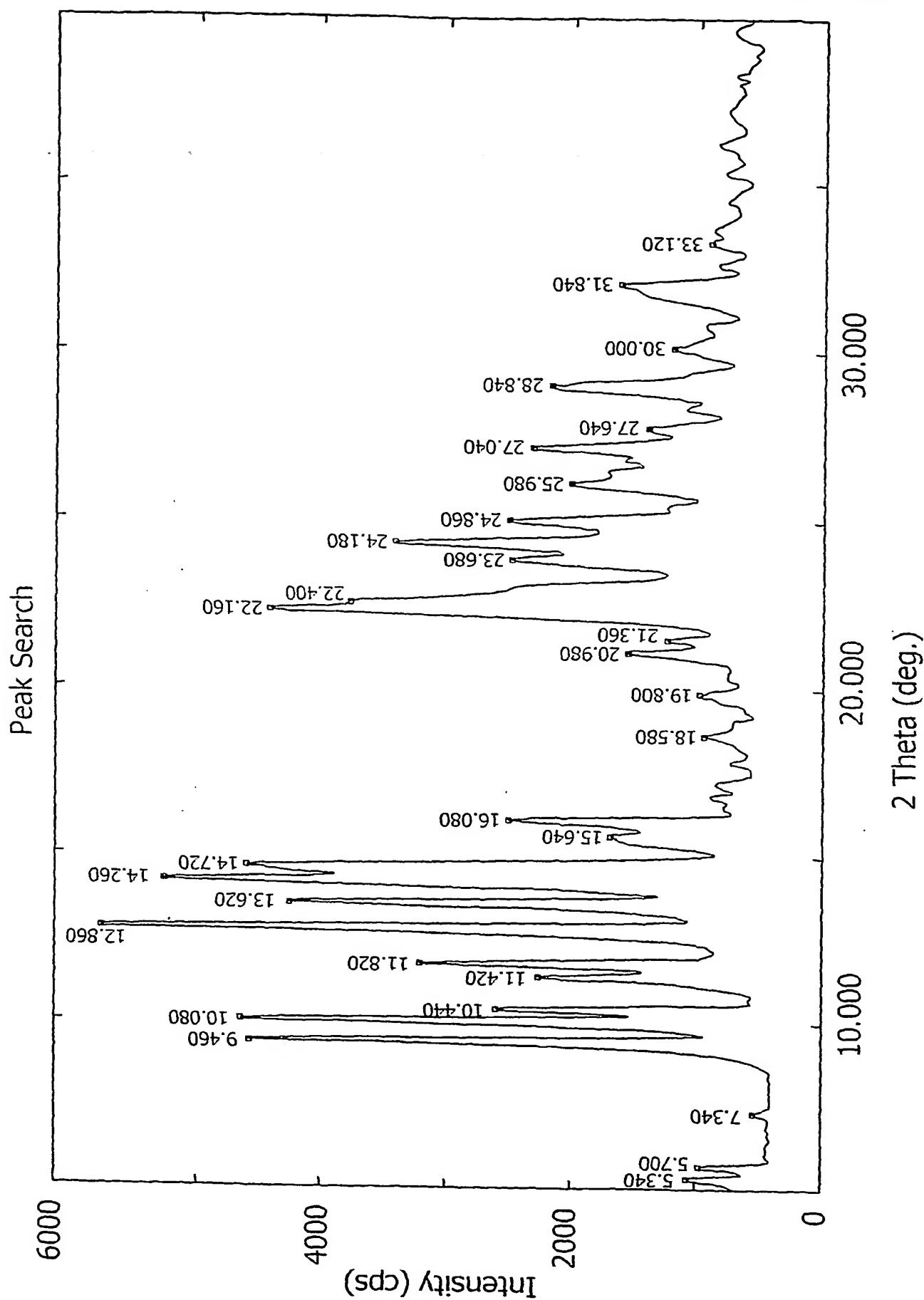


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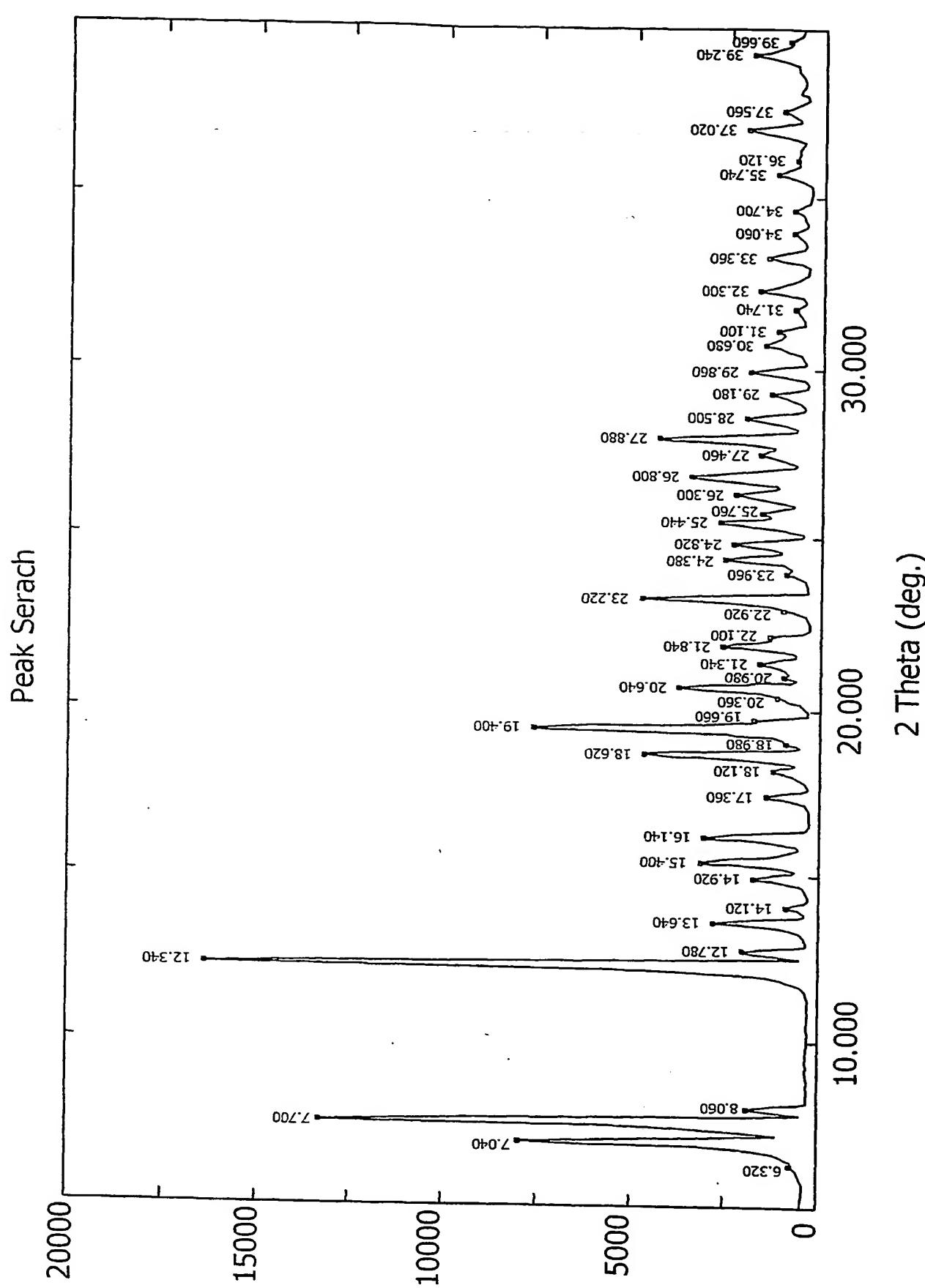
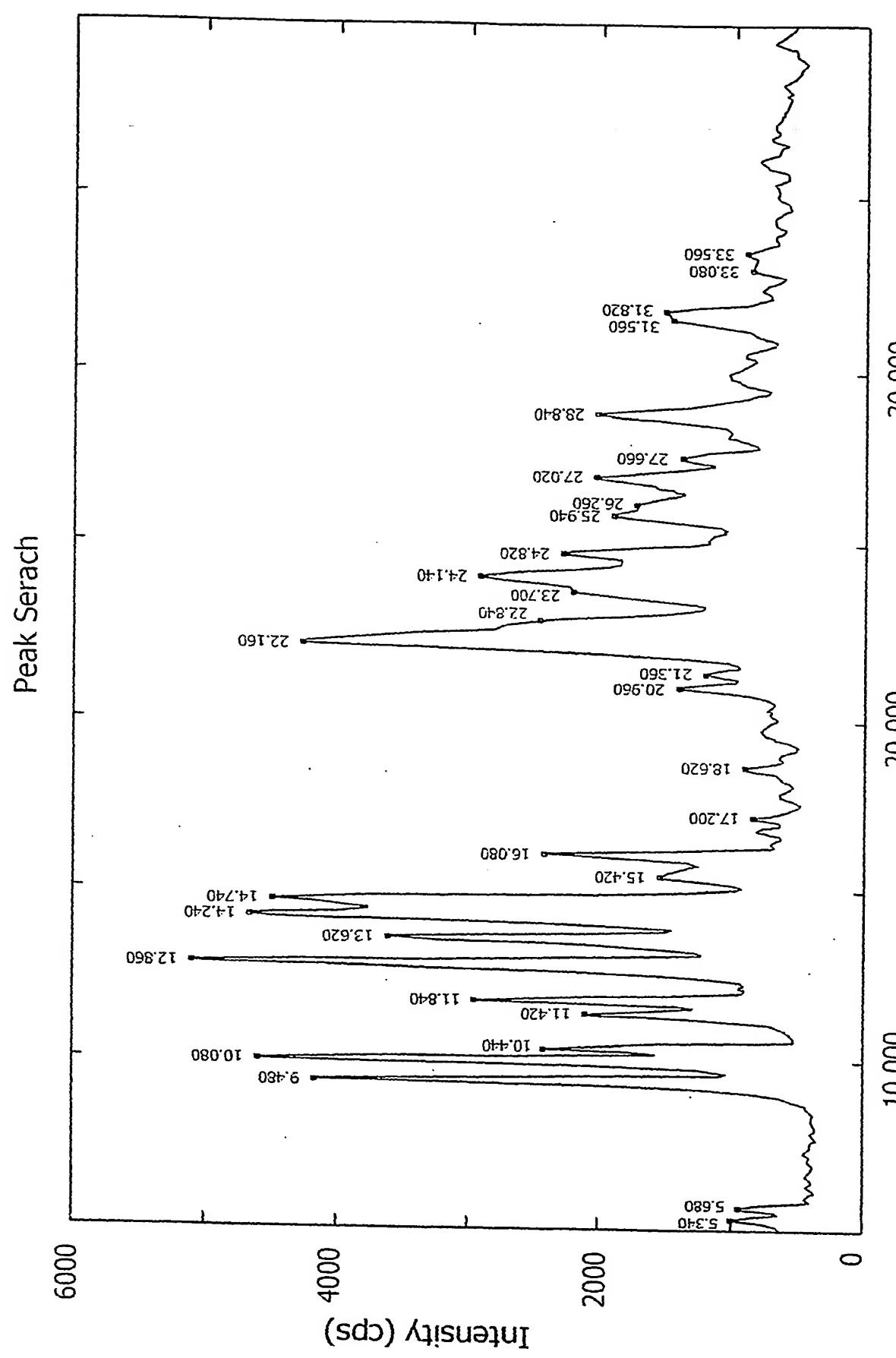
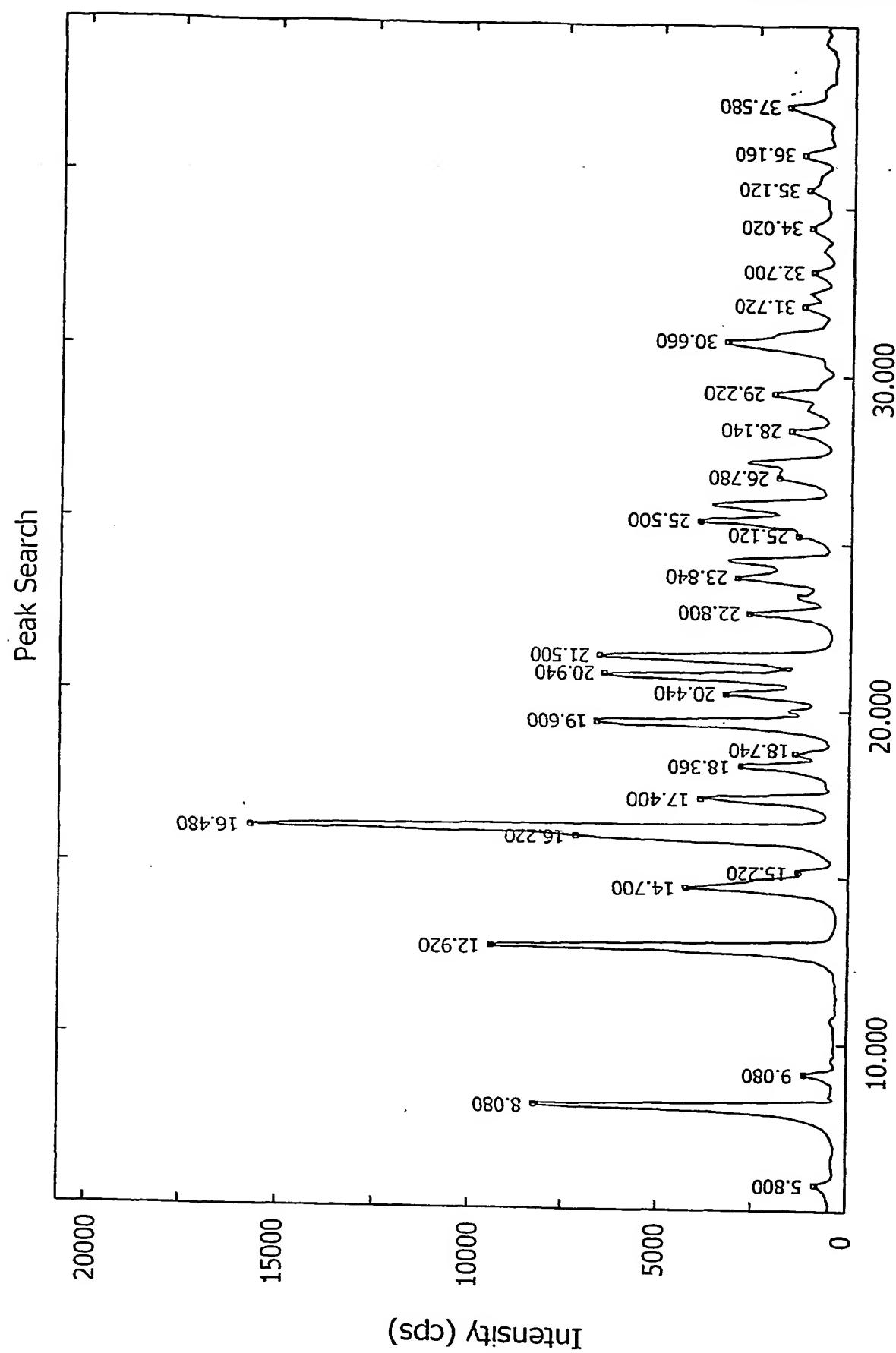


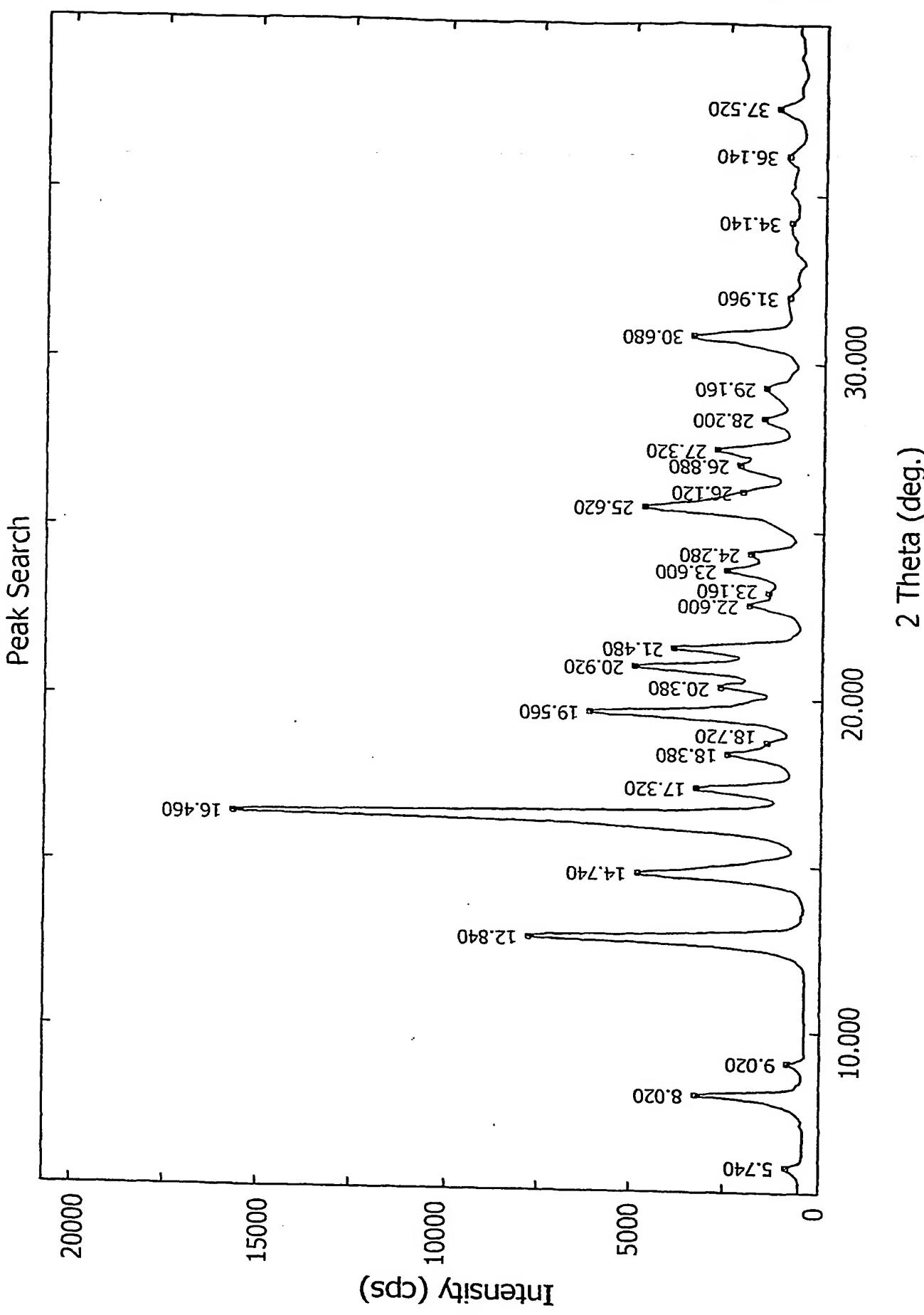
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2 Theta (deg.)

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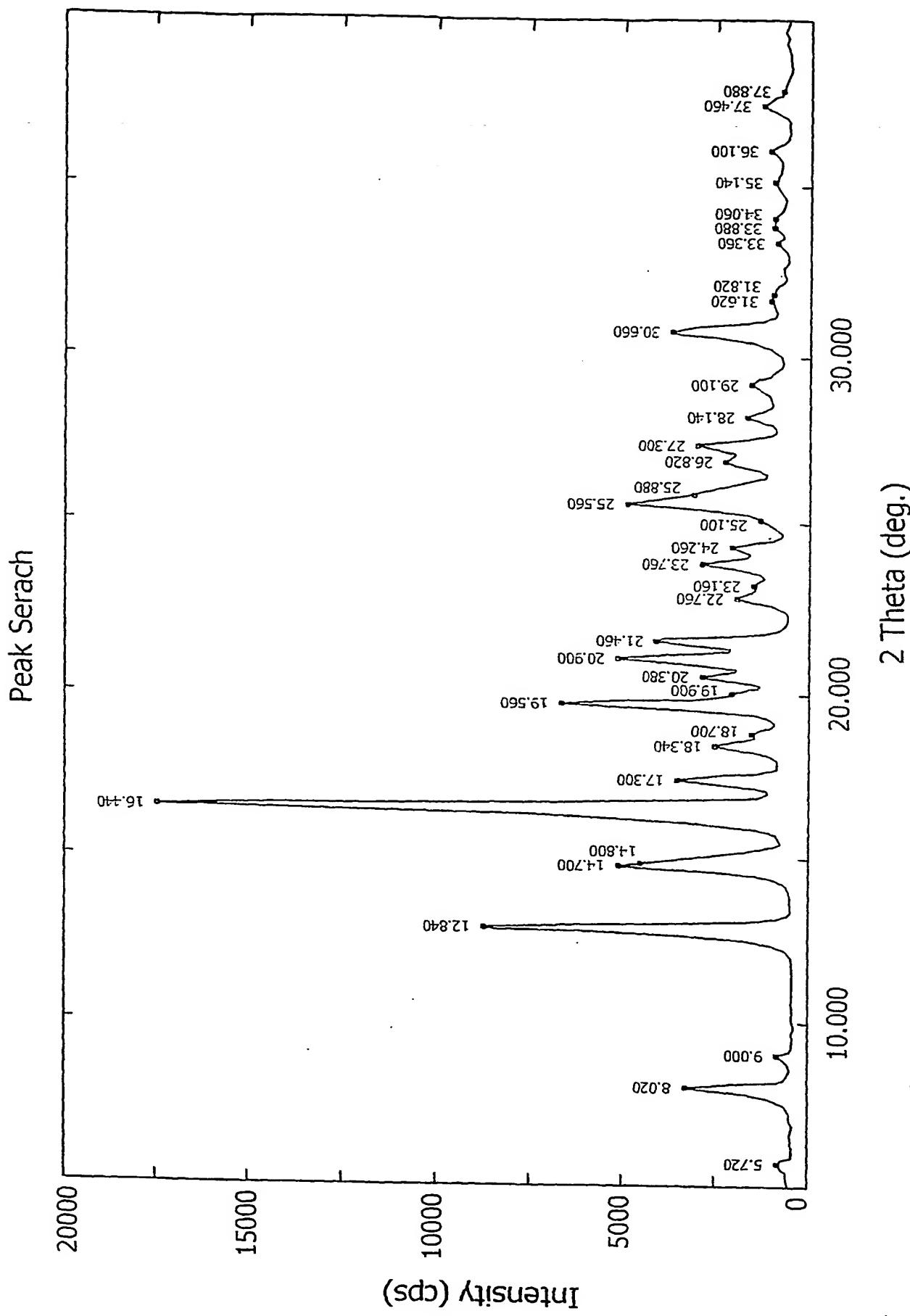
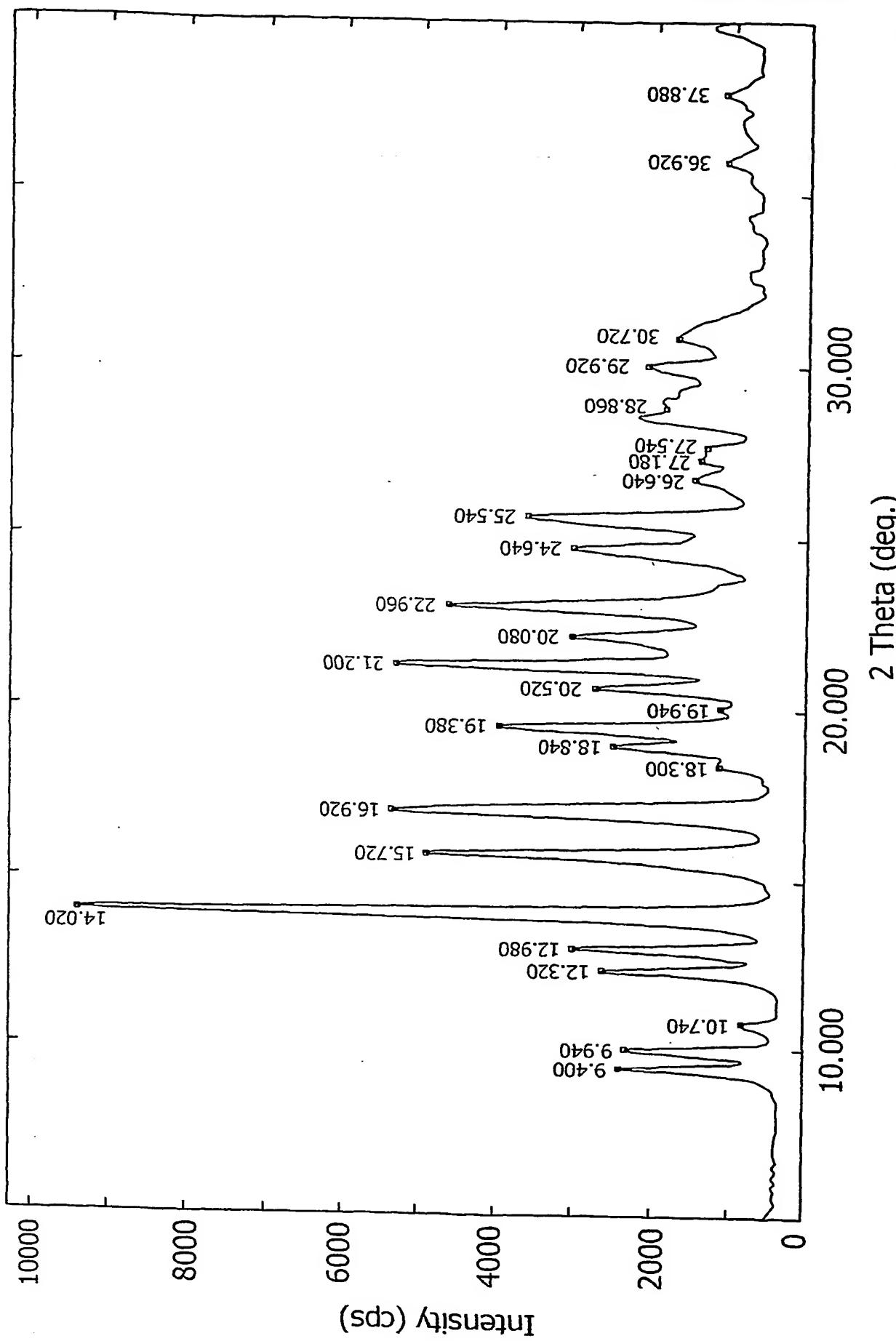
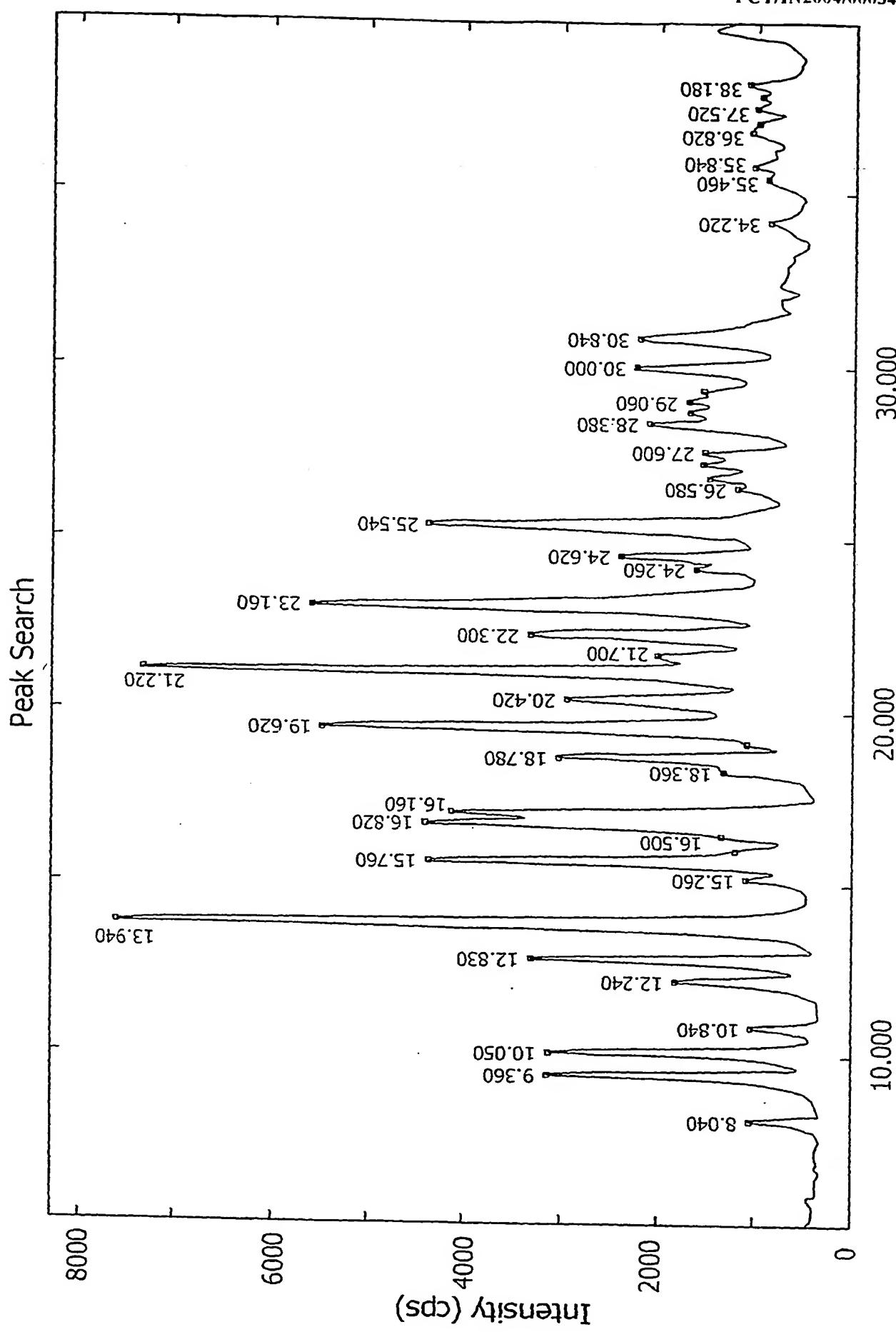


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## Peak Search





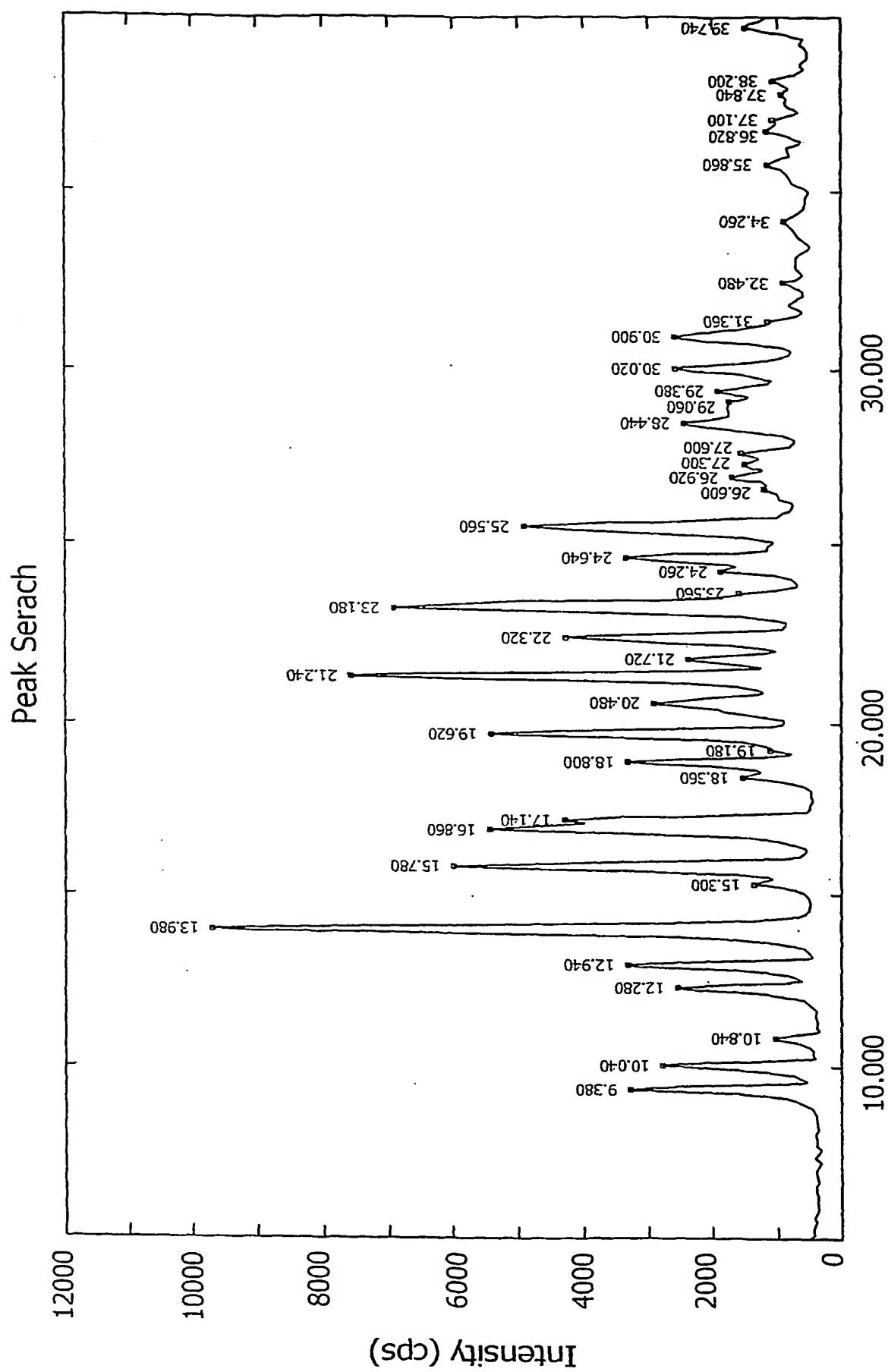
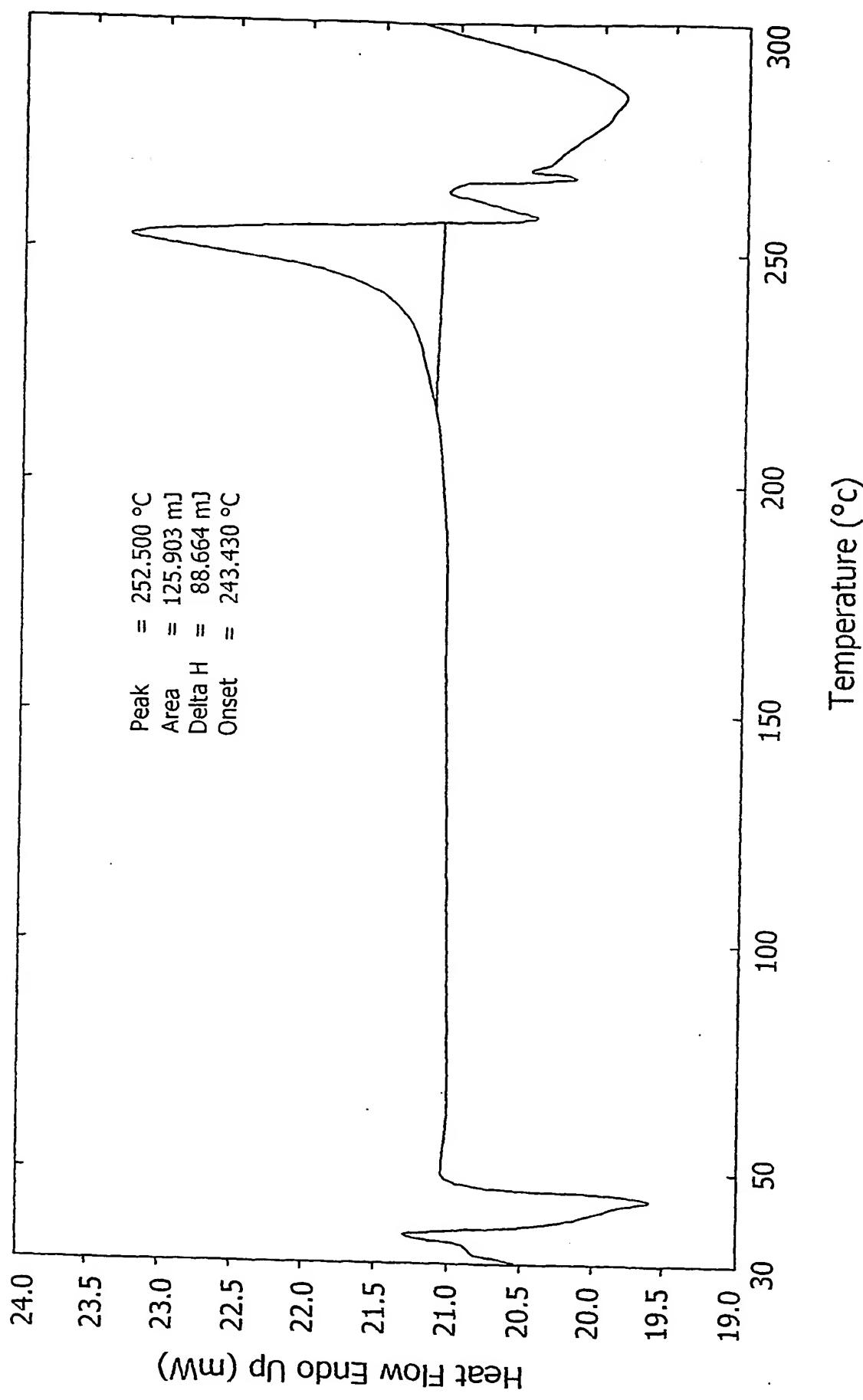
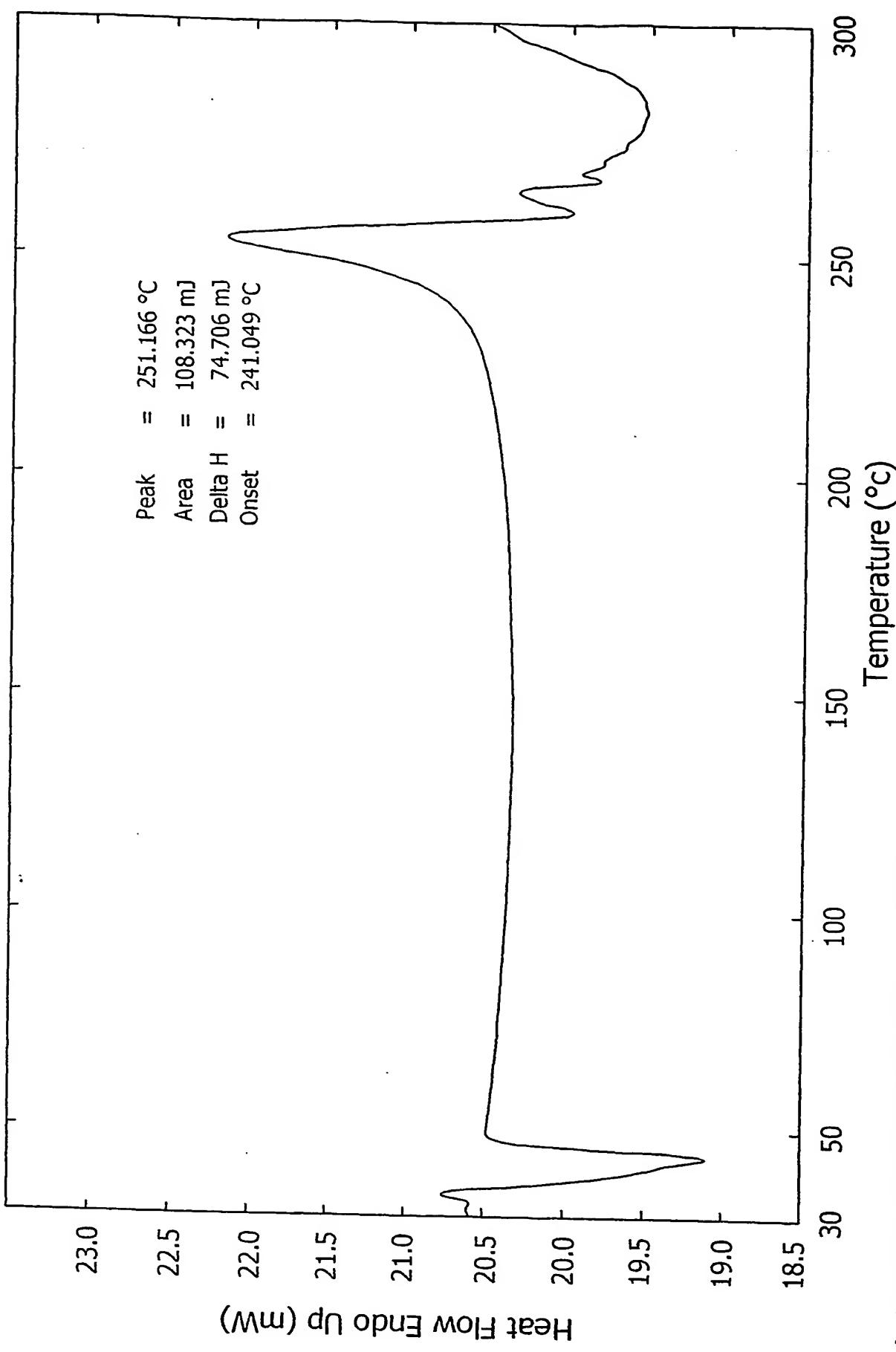


FIG - 16/38  
2 Theta (deg.)



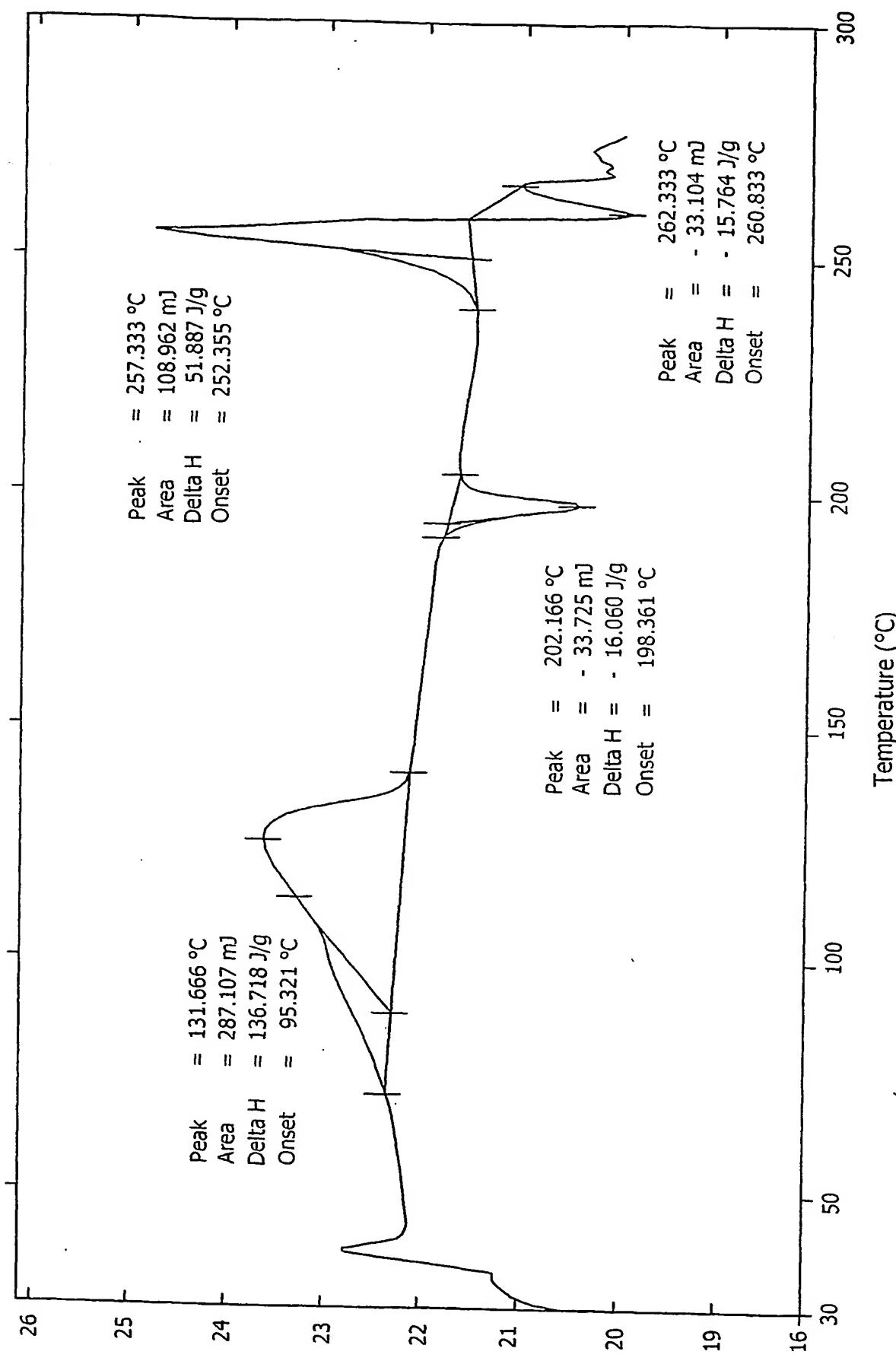
1) Heat from 30.00°C to 300.00°C at 10.00°C/min

FIG - 17/38

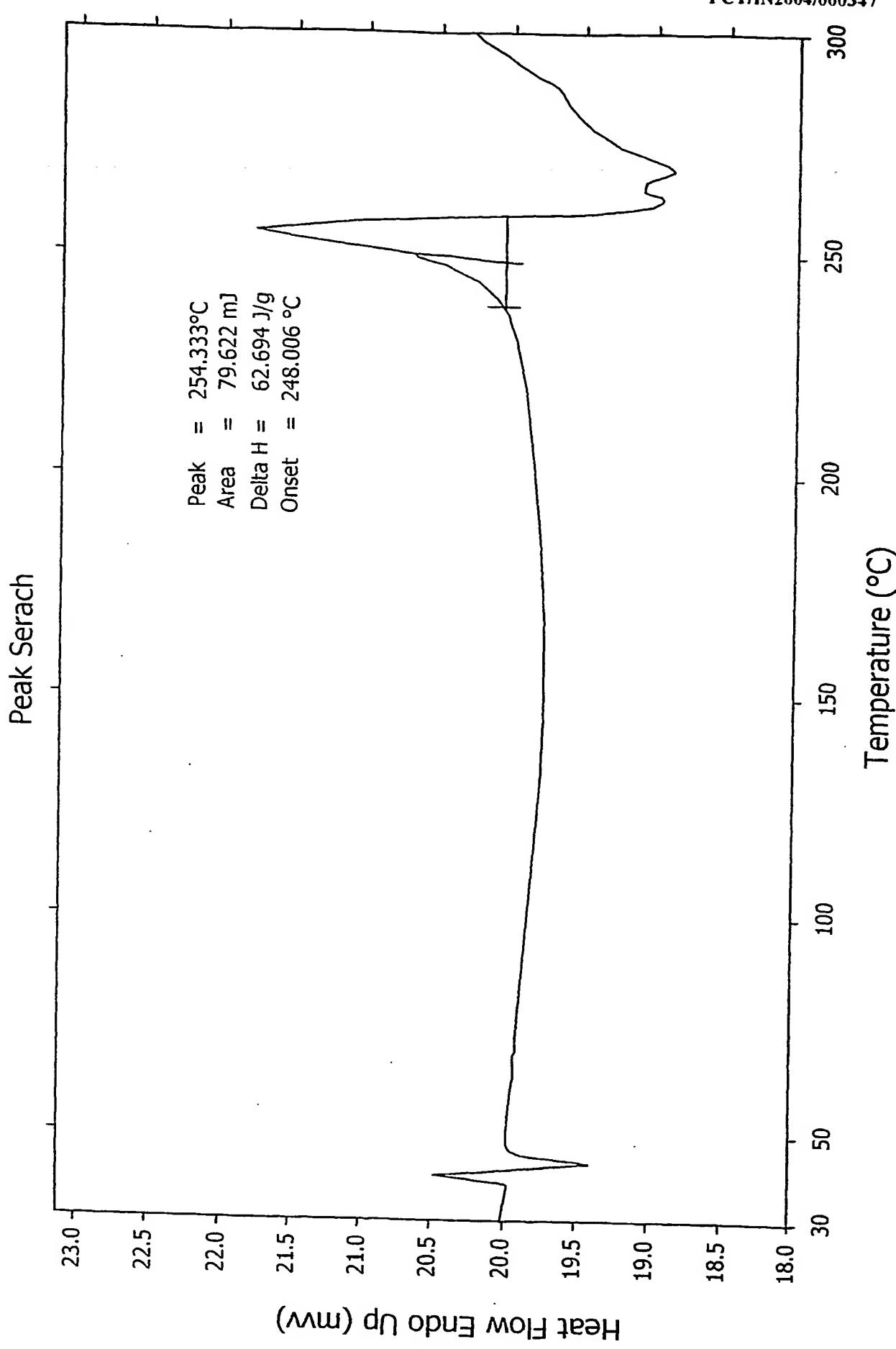


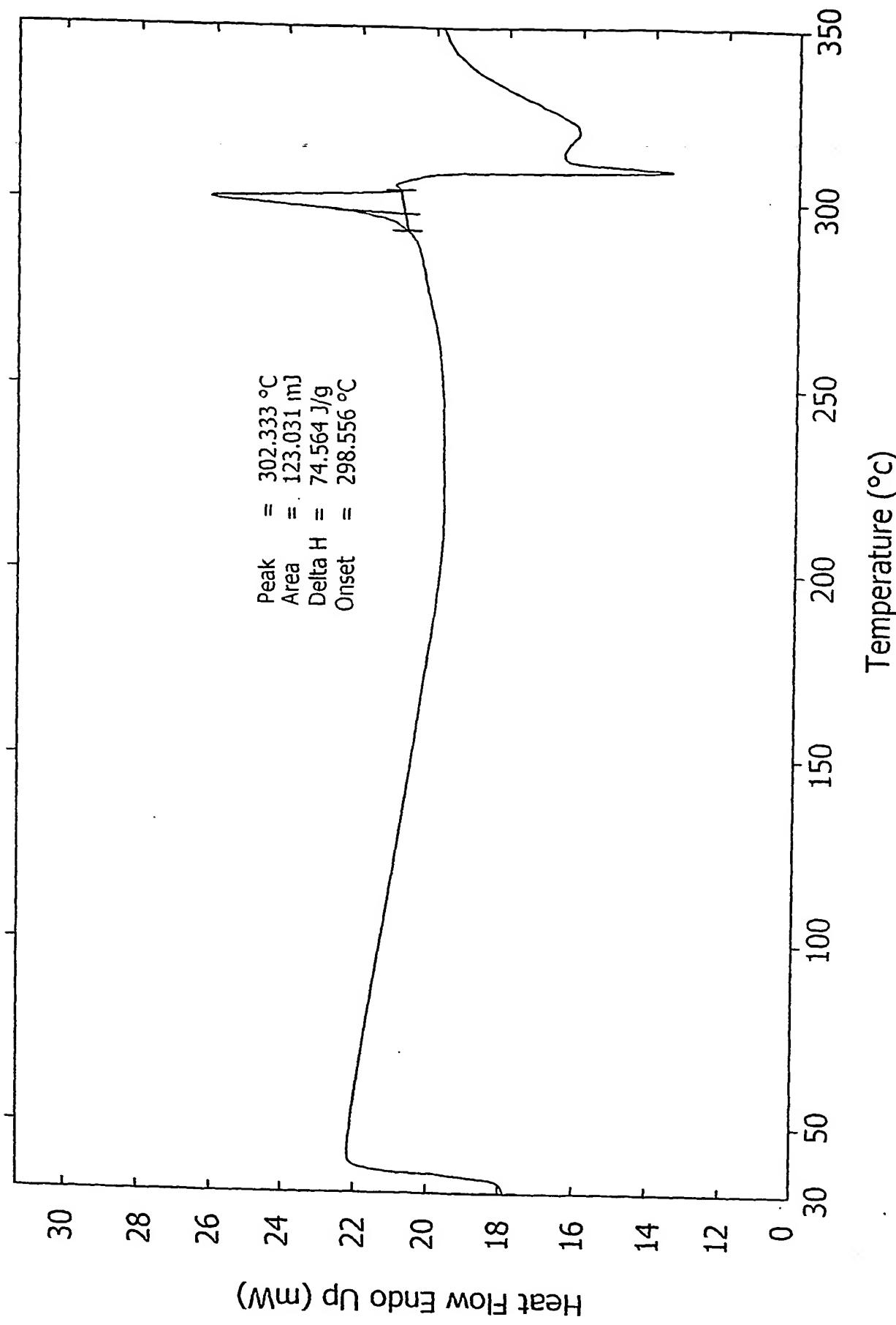
1) Heat from 30.00°C to 300.00°C at 10.00°C/min

FIG - 18/38



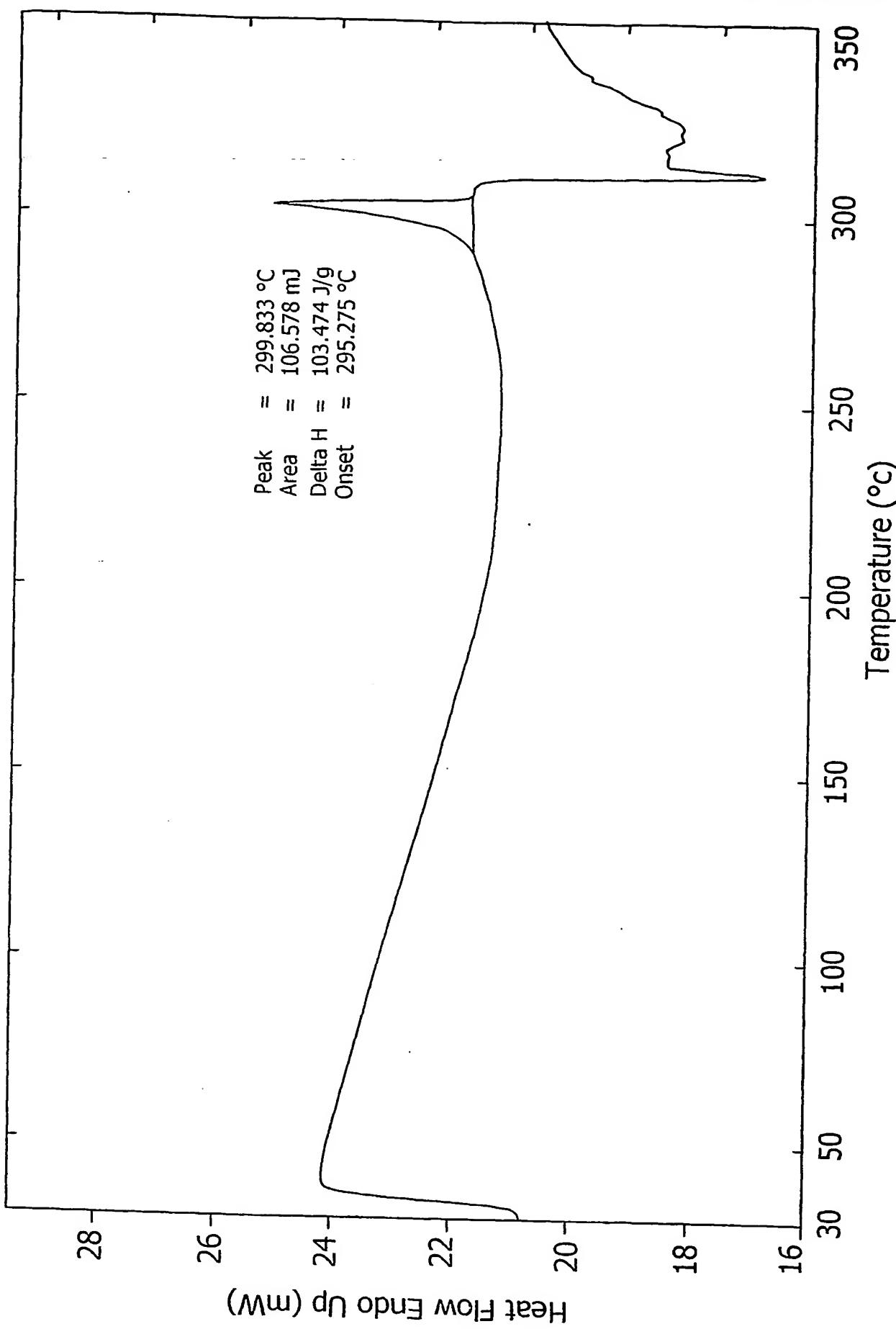
1) Heat from 30.00°C to 300.00°C at 10.00°C/min



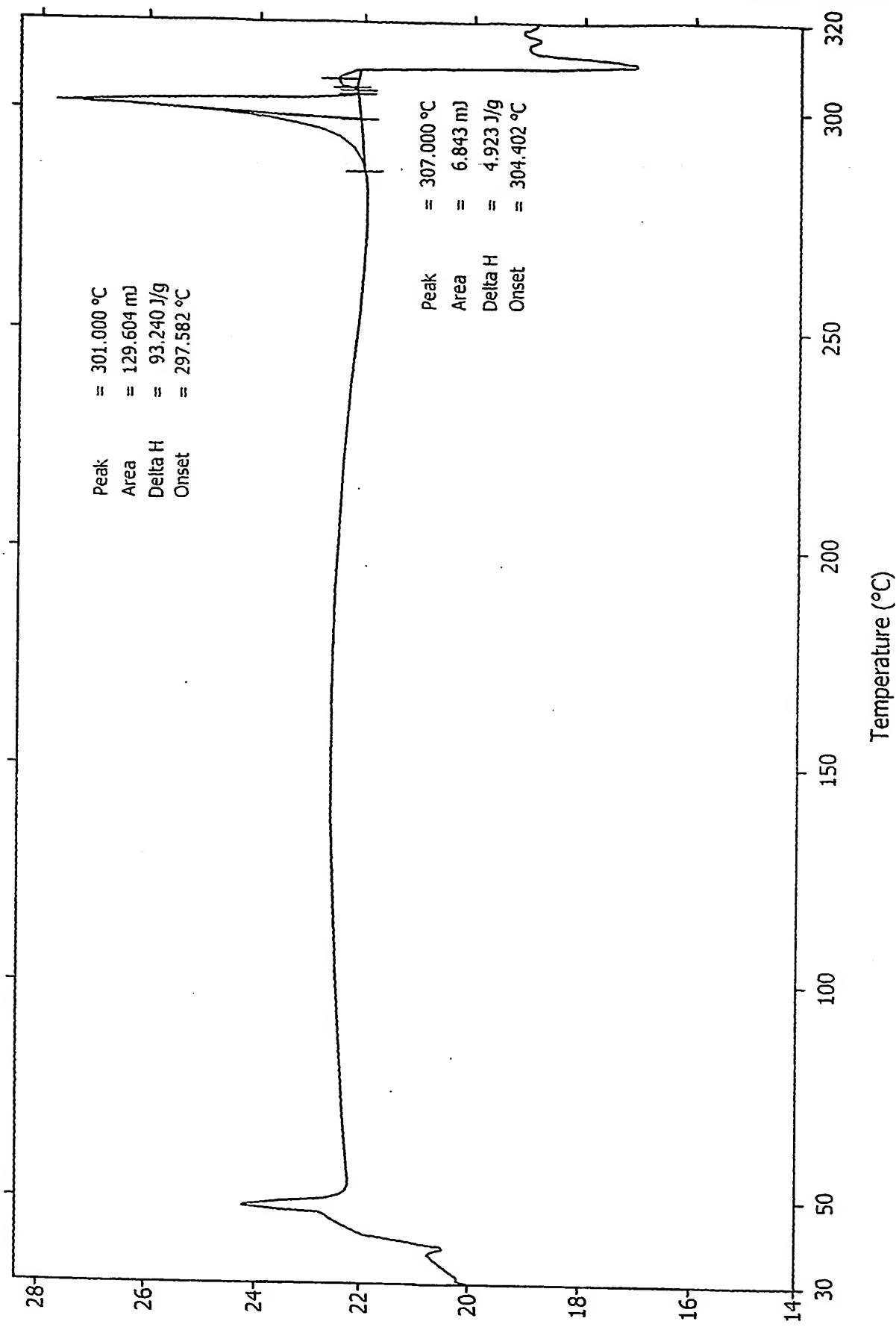


1) Heat from 30.00  $^{\circ}\text{C}$  to 350.00  $^{\circ}\text{C}$  at 10.00  $^{\circ}\text{C}/\text{min}$

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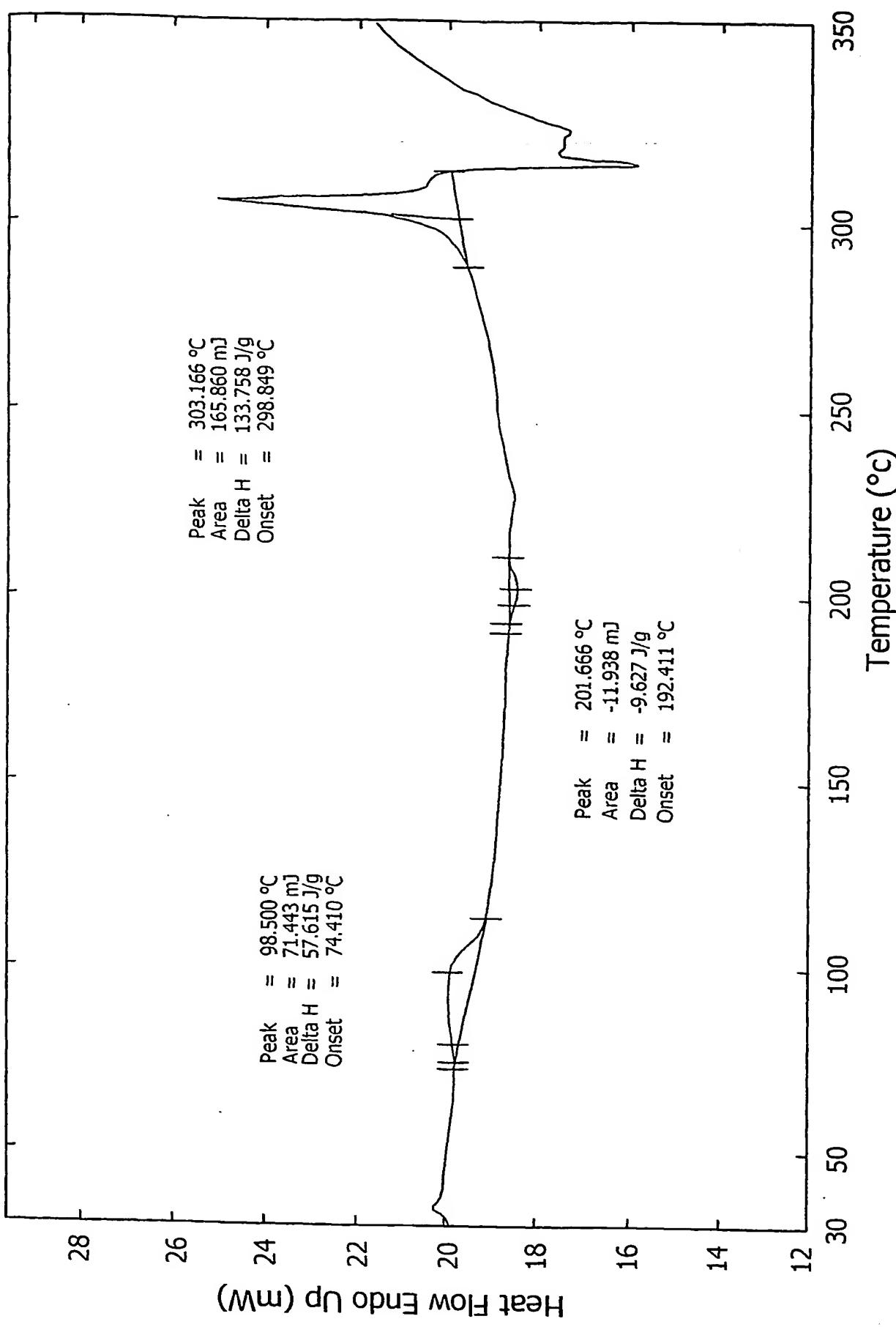


1) Heat from 30.00°C to 350.00°C at 10.00°C/min

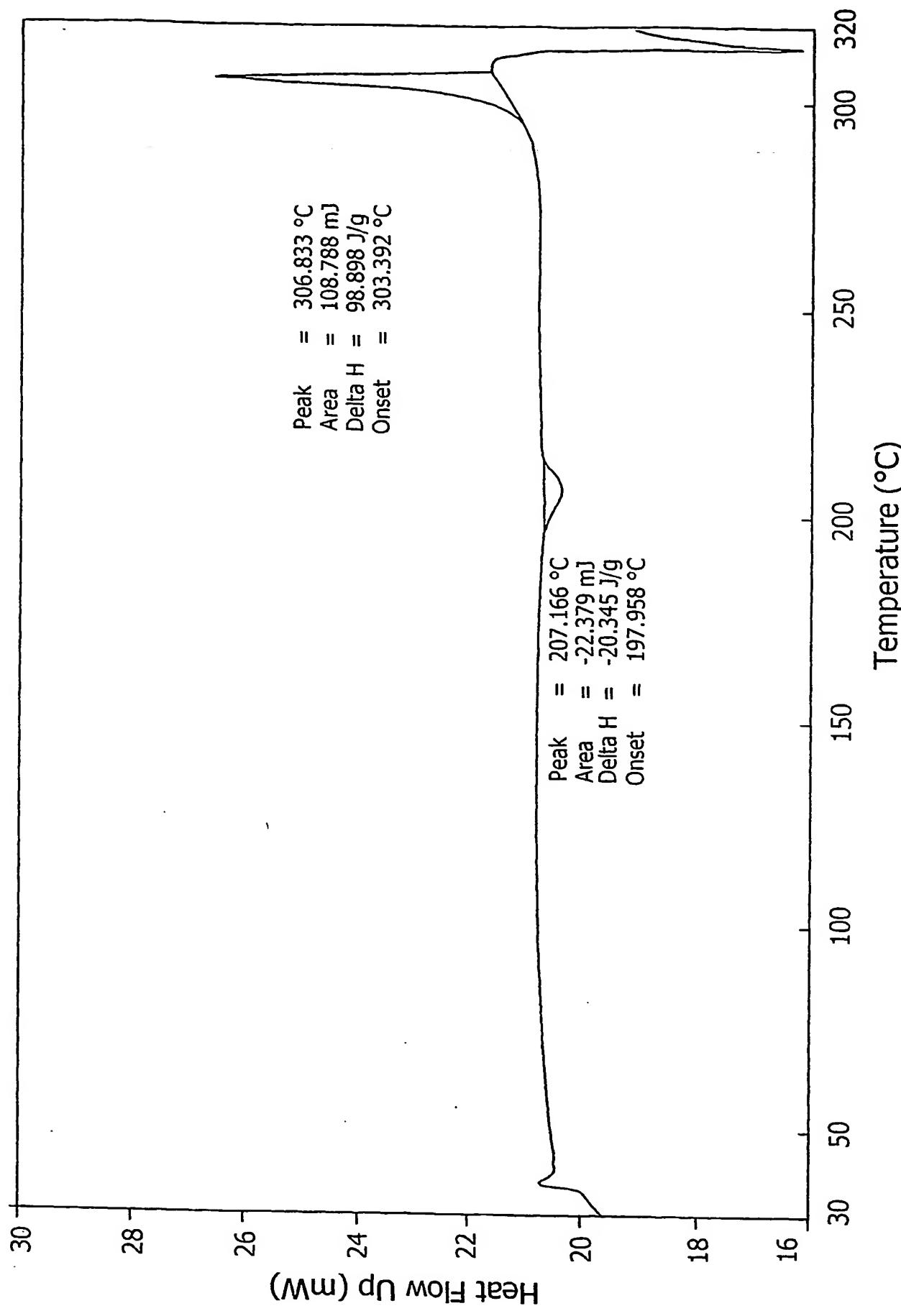


1) Heat from 30.00°C to 300.00°C at 10.00°C/min

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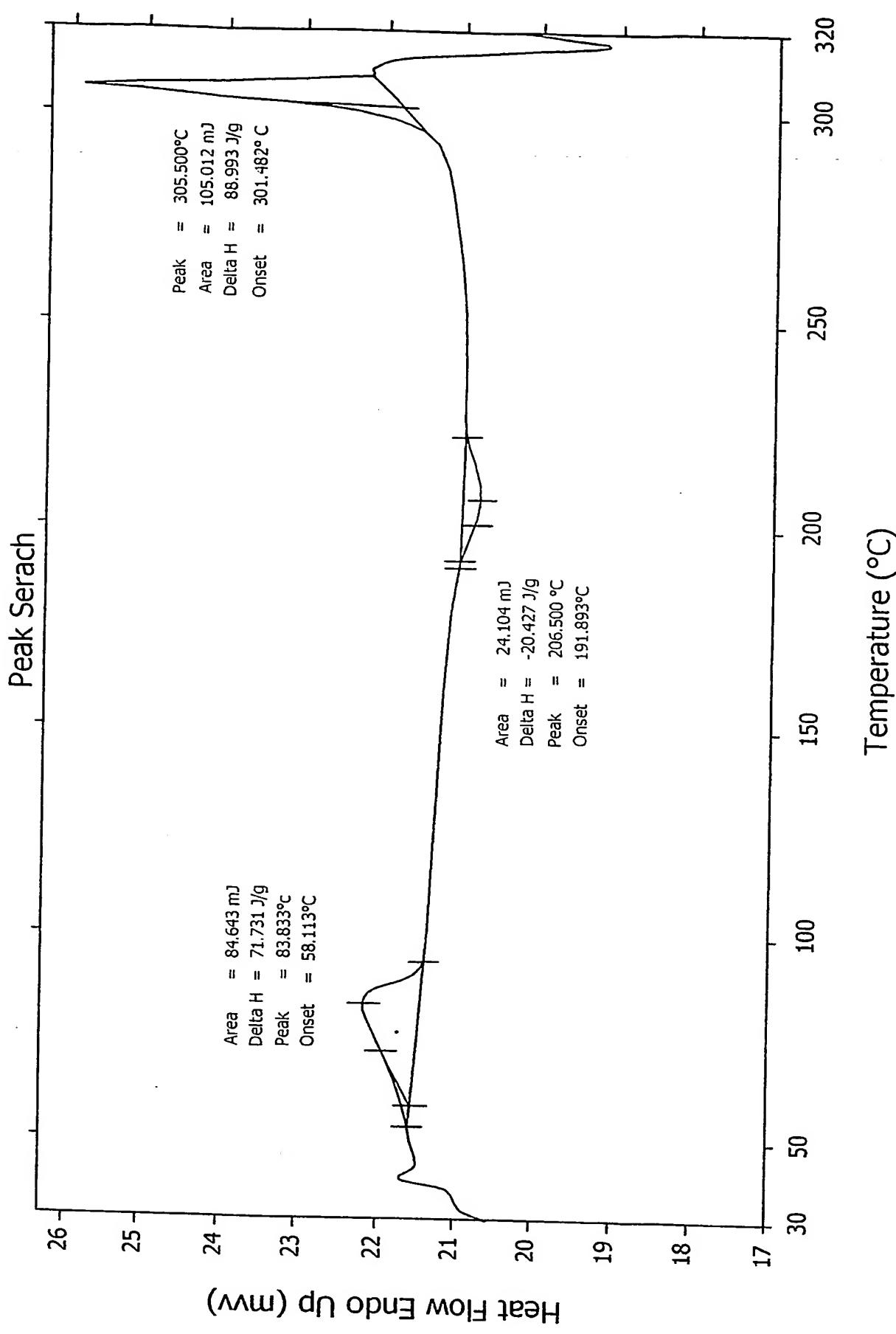


1) Heat from 300.00°C to 350.00°C at 10.00°C/min



1) Heat from 30.00°C to 320.00°C at 10.00°C/min

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1) Heat from 30.00°C to 320.00°C at 10.00°C/min

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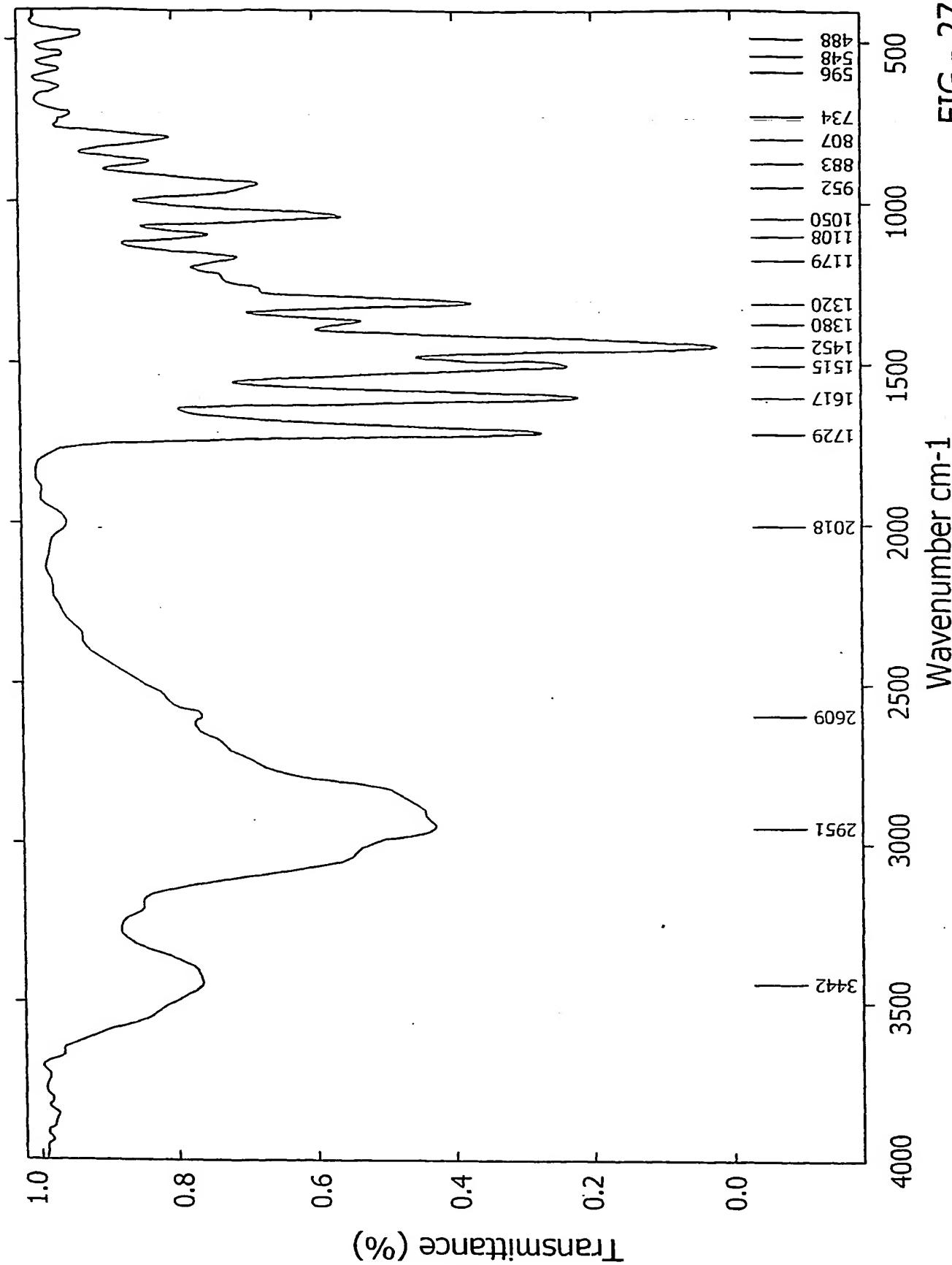


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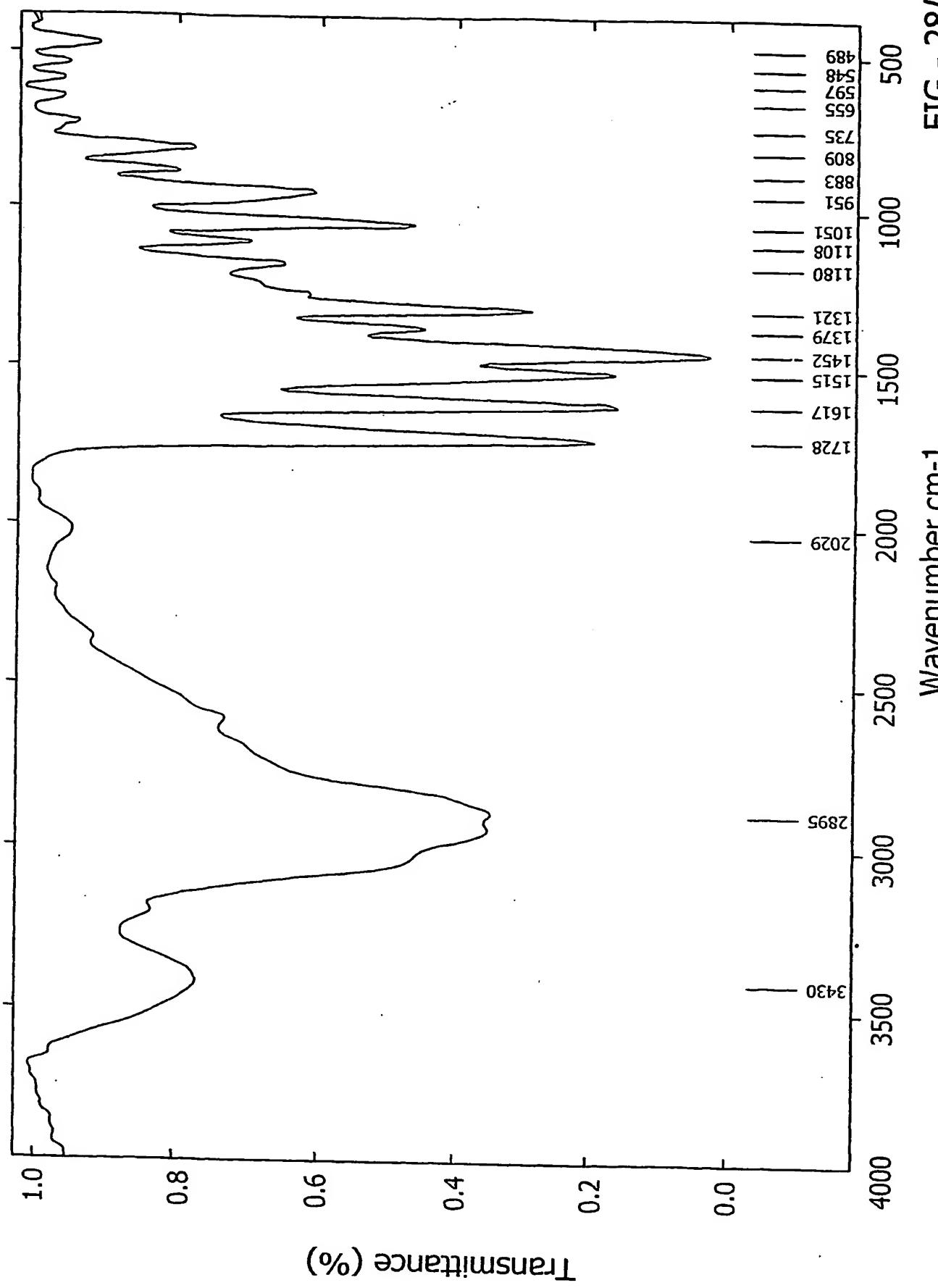


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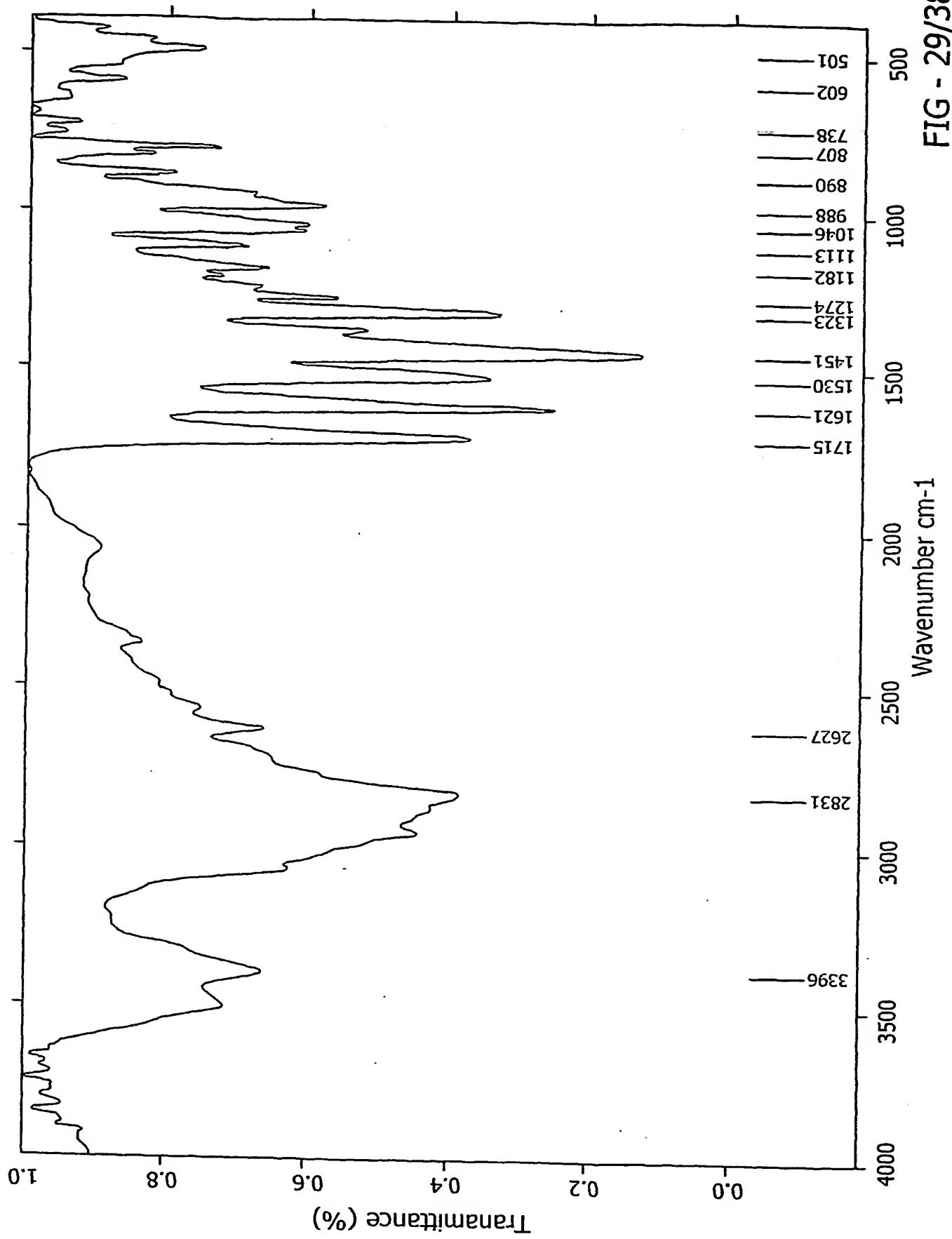


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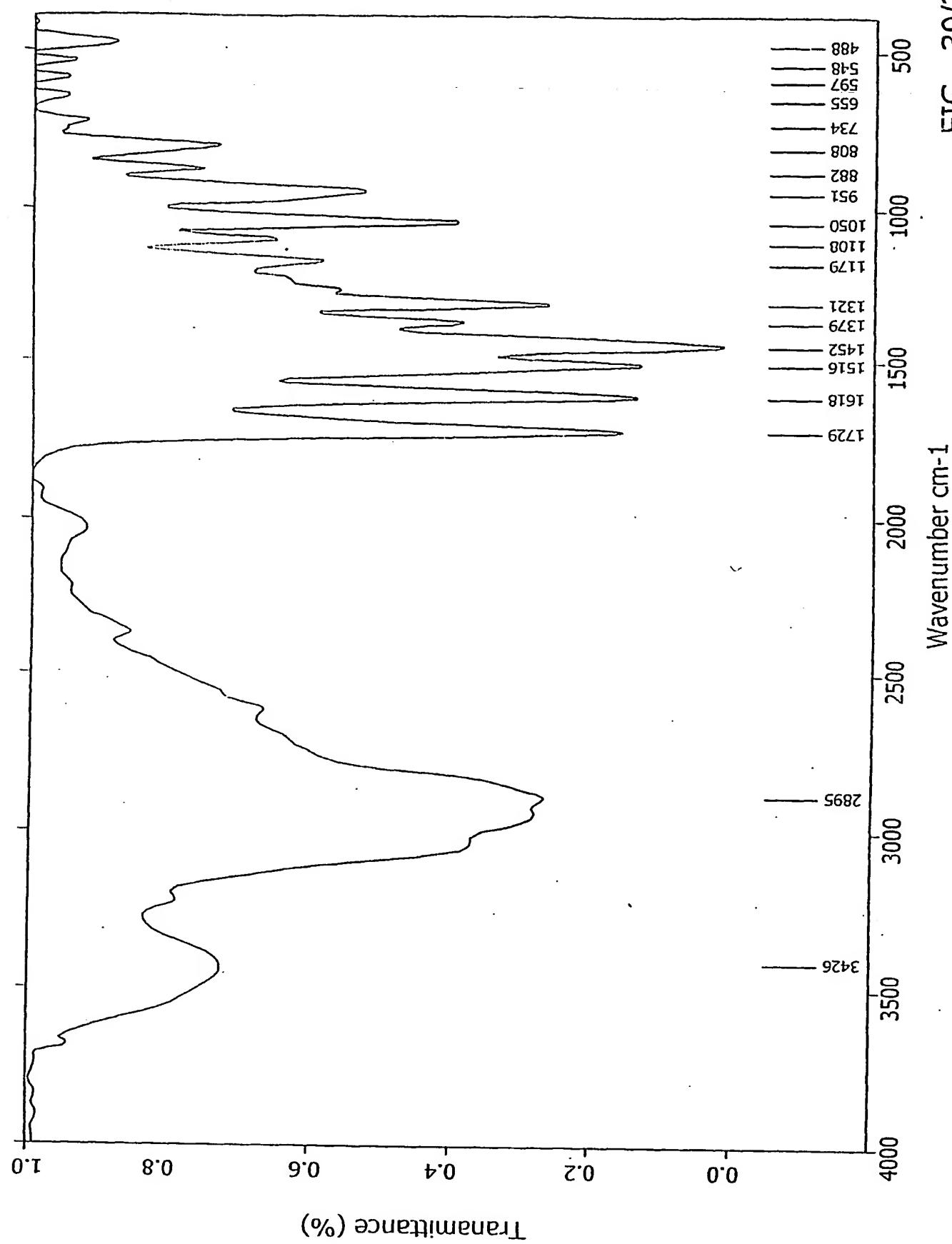


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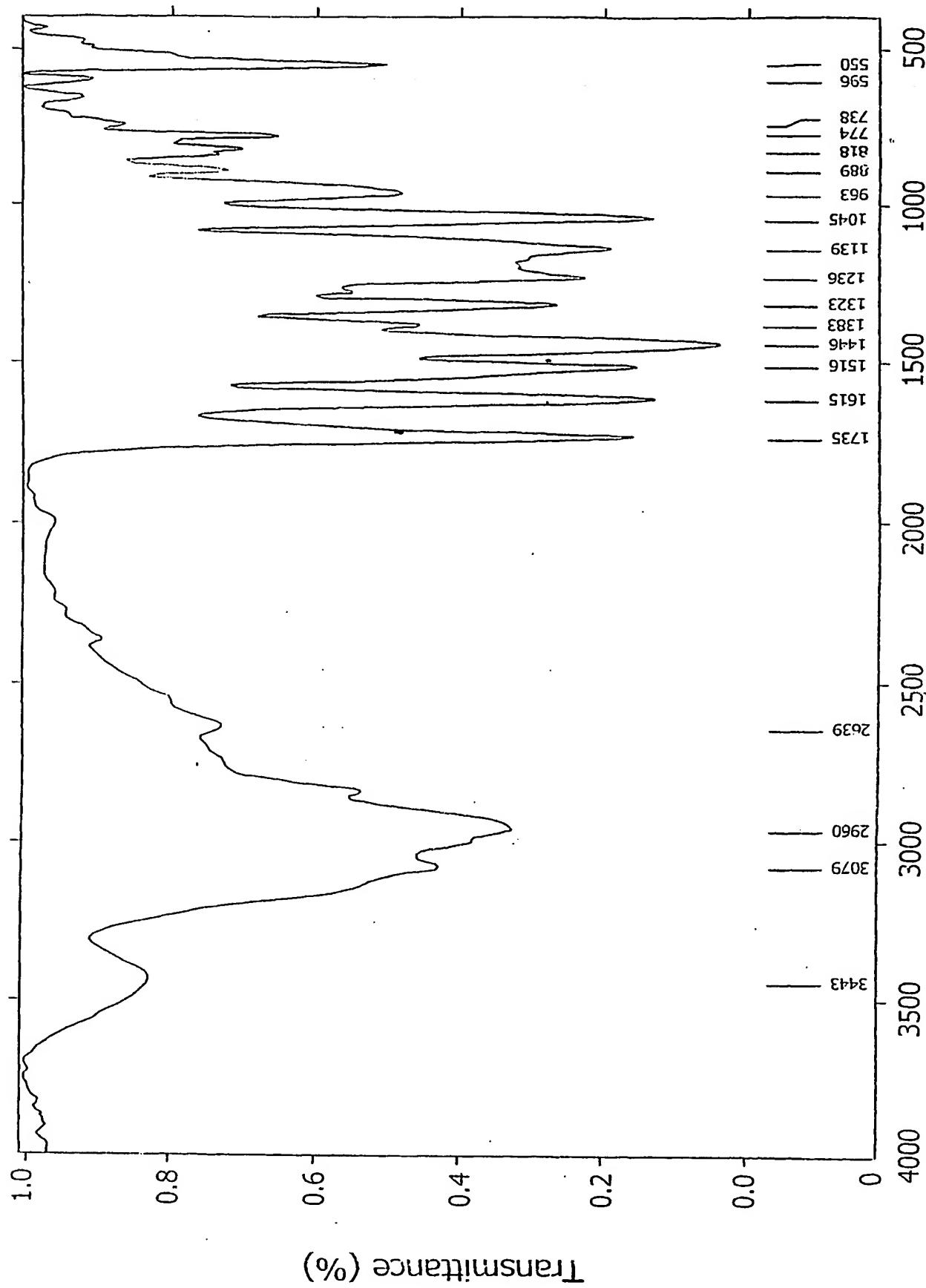


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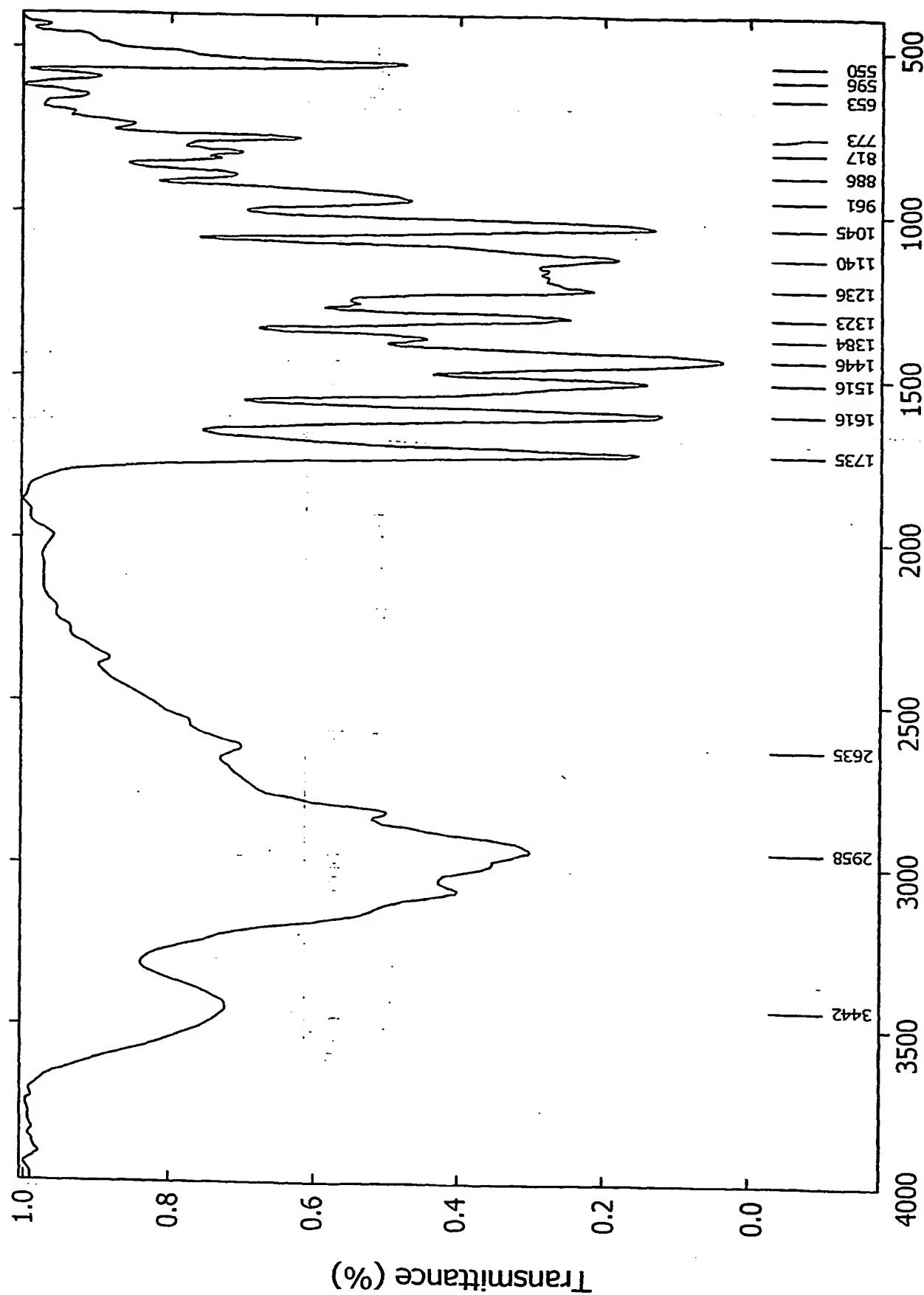
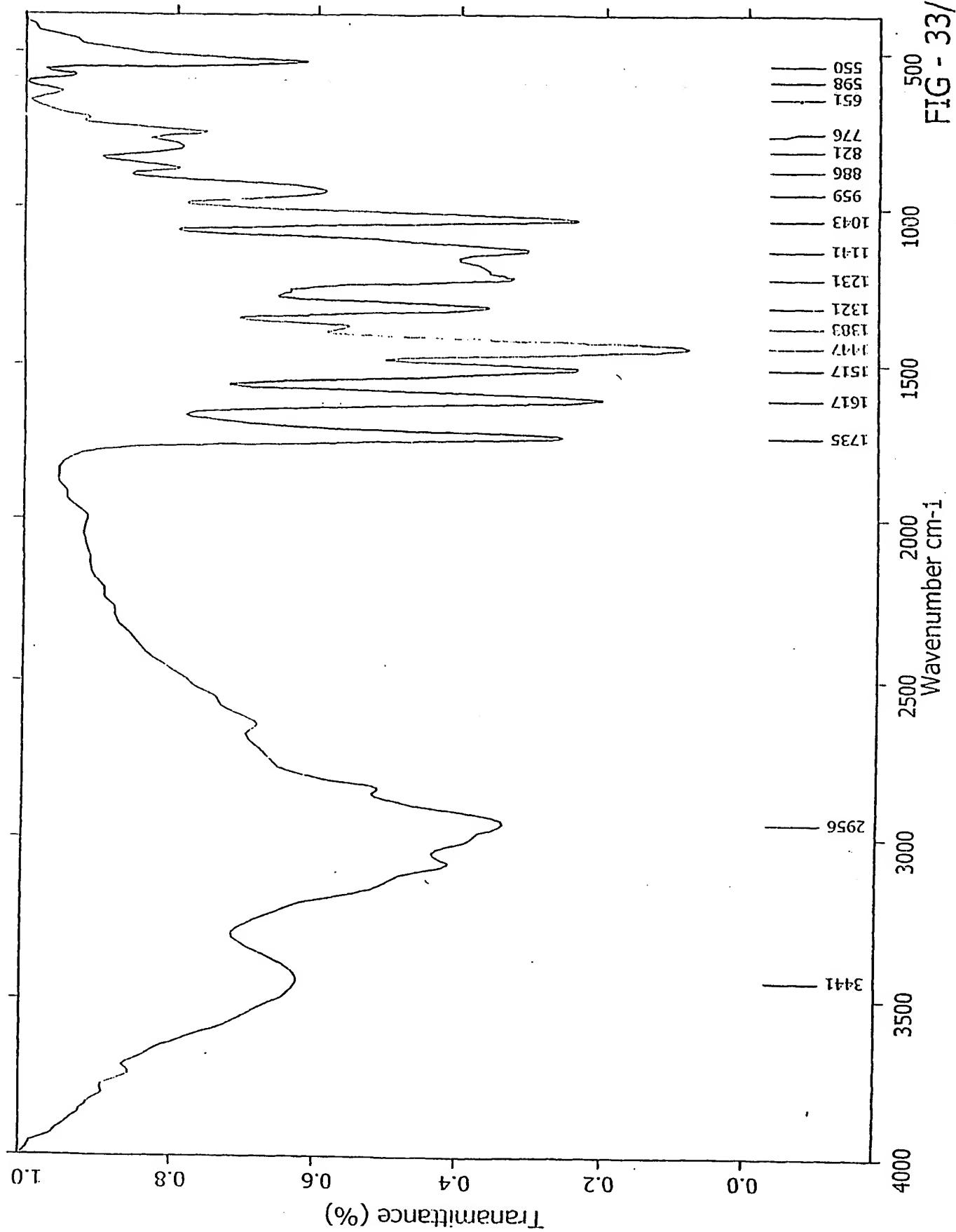


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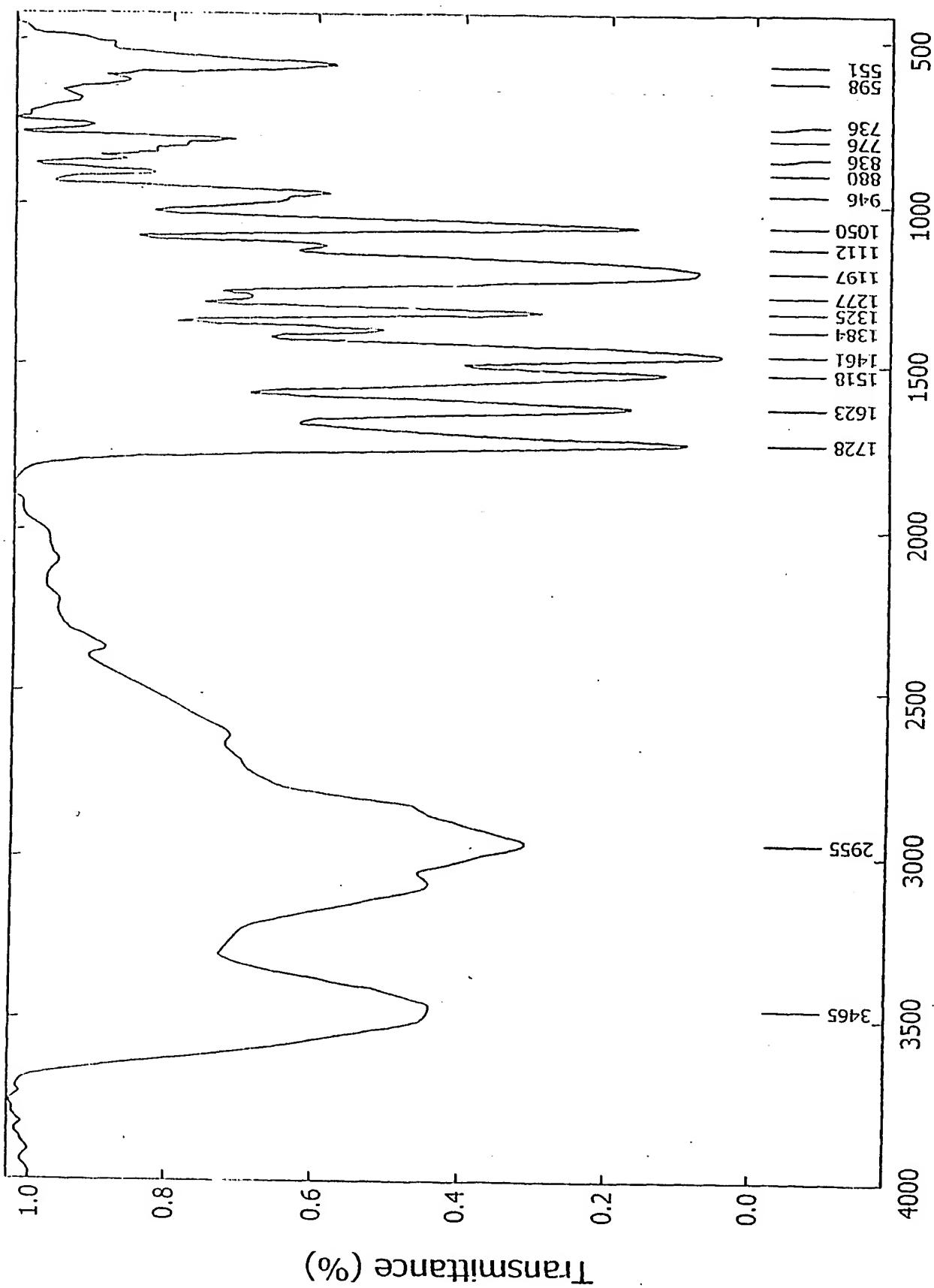


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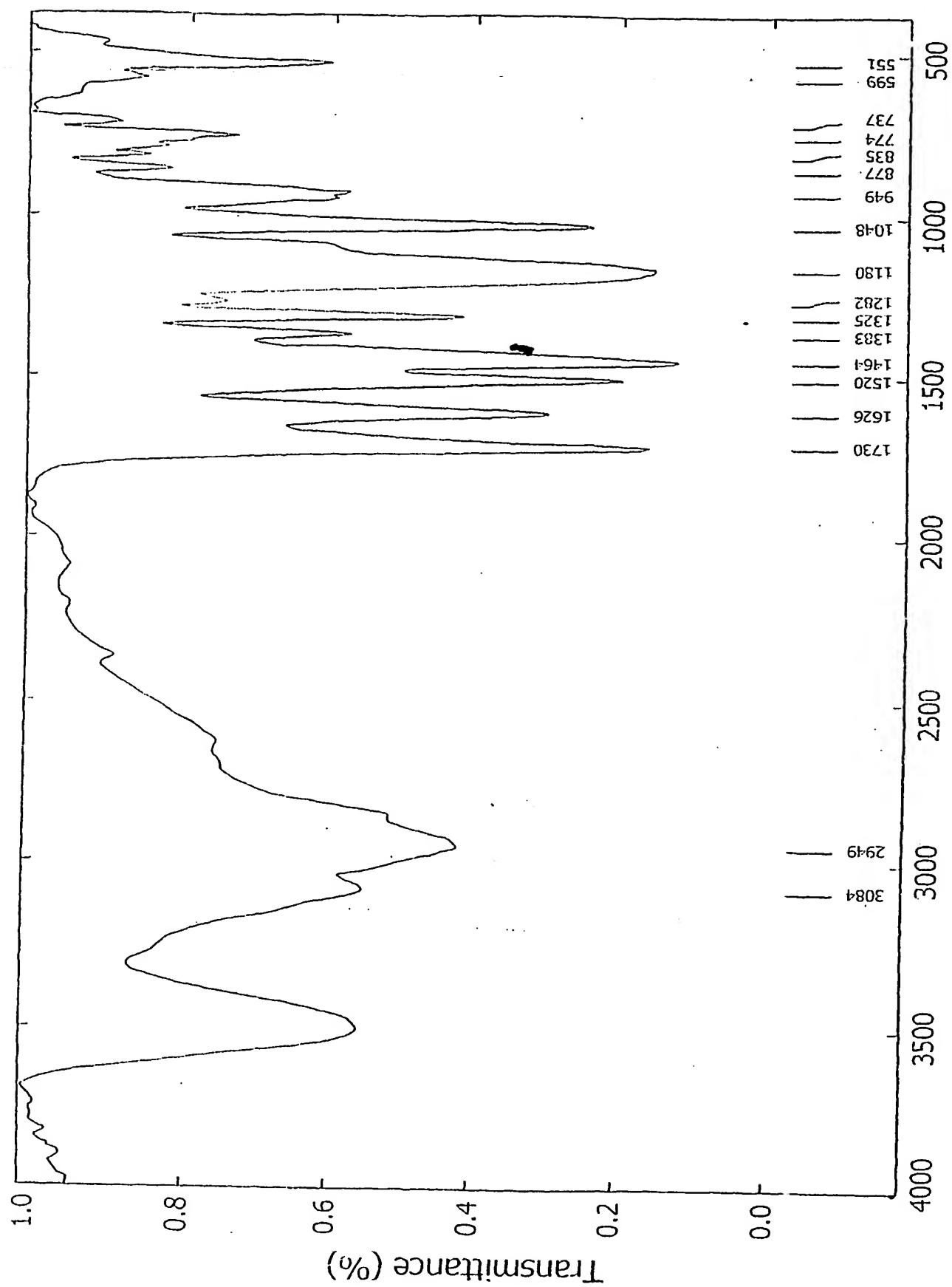


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Wavenumber  $\text{cm}^{-1}$

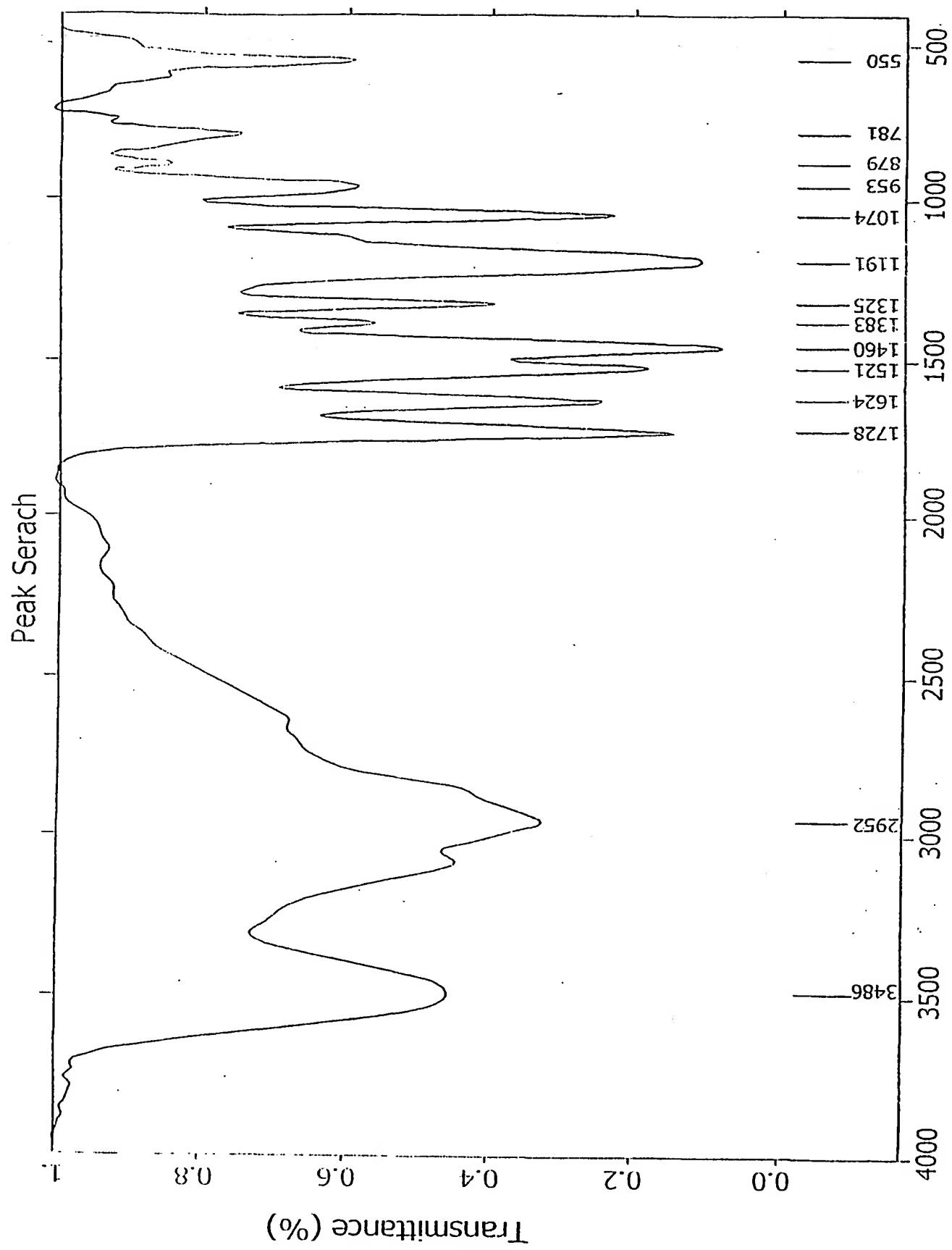
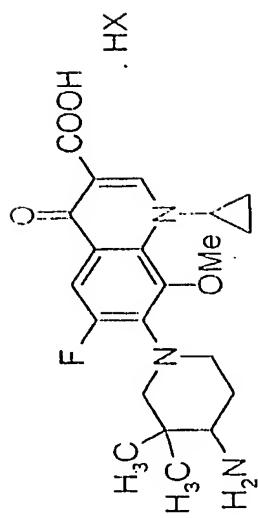


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Wavenumber  $\text{cm}^{-1}$

FIG - 37/38



Formula I     $\text{HX} = \text{HCl}$   
 Formula II     $\text{HX} = \text{CH}_3\text{SO}_3\text{H}$

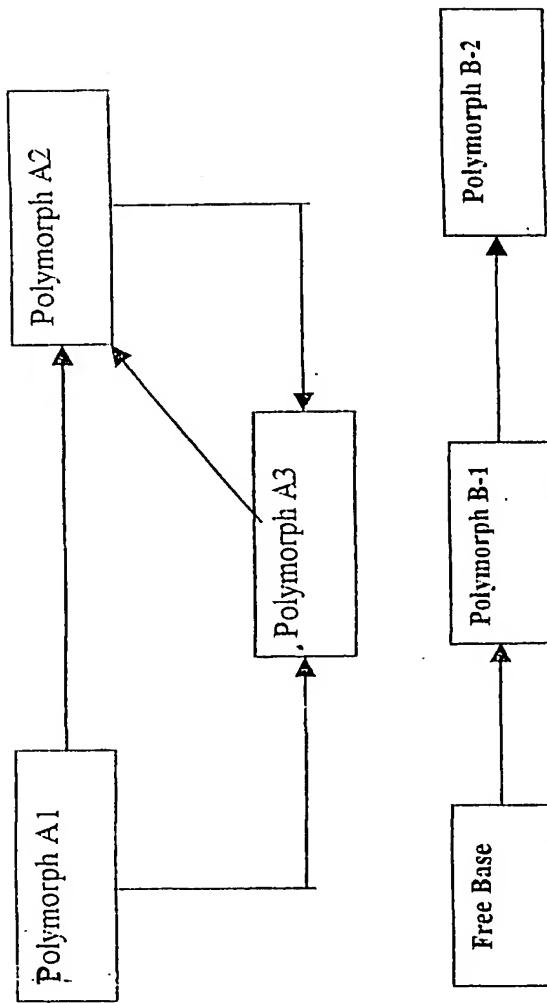
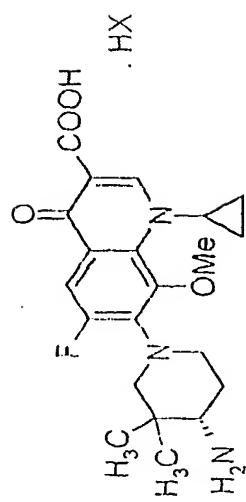


FIG - 38/38



Formula i     $\text{HX} = \text{HCl}$   
 Formula ii     $\text{HX} = \text{CH}_3\text{SO}_3\text{H}$

